

caacatcttt ggctttgaga ccattcctga agagtgcgtt gaagcaacaa aggaatacat 240  
ccatggcgaa caatatagat cagactccaa aac 273

<210> 21355  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954108H1

<400> 21355

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tcacgagctt tgctatttcc gttggctata cttgtgctca tattaagcac accttgctca 120  
ggtgcttttg ggaagagtgg aactaatgtg aaaacagcta ttttctgtc cccaagttt 180  
gaacttgac caggatcggg agccaataaa tatgattatg acgctgattt tccaagaggt 240  
catatagcac ttaagagttt caatgctgaa g 271

<210> 21356  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954109H1

<400> 21356

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aaaactatta aagaaaccga caacacaaag gatttgcaga aagtgcagct acttagttcc 120  
attttcatcc tctctccatt aactttcagt caaaacaaaa caaacctct ttaggtgtga 180  
aattccacgt gccaaaatca tctccgaggc accaacatcg gcagccacat atttctttat 240  
ttattgaagg aatcagtata taaaacacct gc 272

<210> 21357  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954110H1

<400> 21357





<211> 279  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954117H1

<400> 21363

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gaggcatcaa aaaattgatc ttaaattttt ctgcattagg aagtgtccac aatgtgatcc 120  
tattttccgc attagaatta gatgtatctg aacattttcc acaaaacgca ttgacctttt 180  
tggtgaacta acatgaaact tggcctagtc ttttctgttc aataattatc tctttaaatg 240  
tccaacccaa cctaaagtag ttaccaagca gttactcgg 279

<210> 21364  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954119H1

<400> 21364

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aaaggaaccg ctactcacc aaggatgaaa ttgatgctta ctggaaatca aagaagaaga 180  
tagaggaaga acaccttaga gctatttcca acttgtcaga gactattcag gctagcaaaa 240  
gcacagaacc tgagaagaag ttgcagaagt c 271

<210> 21365  
<211> 272  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954120H1

<400> 21365

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aaaaagagaa aagaaaatta tgggaagcga tggcgtgagg aaaccaagat tcctatgcct 120  
tcattgggttc cgaacaagcg gagaaatatt gaaaacacag ttacataagt ggctcaatc 180



ggttctagac aacctcgatc tagtatttgt ggatgctcct tttccttgcc ttggcaaadc 240  
cgatgtagaa ggcatttttg atccccctta ct 272

<210> 21366  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954122H1

<400> 21366

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ccaccaccac caccacaaca acaacgtttg tgtctggctg tgttggttg ttagggattc 120  
atggcaacaa taaacccttg attcctctcc ccattctccc aagagaaggg ccattttggt 180  
acagtgttgg acacttgcaa atggatttag aagacaagtt cctcgctaaa gtttctggtg 240  
ttcaaagcct ttcattccagt gcacaaagta ctccag 276

<210> 21367  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954123H1

<400> 21367

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cgccatcatt ggcgtctcag ccttattgtt ggtggctatg gttgtggcaa tcacagttgg 180  
ggccaatctc aatgagaatg gttccaacaa tgatacagag gacaacaaga aaaatcatgt 240  
tgtttcttct ataaaagccg tccaaacctt 270

<210> 21368  
<211> 268  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954124H1

<400> 21368



<213> Glycine max

<223> Clone ID: 700954129H1

<400> 21371

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tacaaccca ggagctgcag tttccctttg aattgaggaa gcagatctca tgctctttgc 180  
agttgtctaa caagactgac aactatgtgg atttcaaggt taagacaaca aatcctaaga 240  
aatattgtgt tagacctaac actggag 267

<210> 21372

<211> 87

<212> DNA

<213> Glycine max

<223> Clone ID: 700954131H1

<400> 21372

ggcagtgttt ctgtattcta gaagtagaag gagcccccta gtgcgcgttc gttctcgaca 60  
cgcttttctgc atcacacacg aatgctt 87

<210> 21373

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954132H1

<400> 21373

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tgttgacgta tcgaaacctt aaatttgga ttaggtctga gcaatctggt tggtagaacc 120  
tttggtctta gagagtcaag ttttatgtct ggattagacg atcaaattcc tactgccttc 180  
gatccttttg ctgatgcaaa tgctgatgac tcgggtgctg ggtcaaagga gtatgtgcat 240  
attcgcgttc agcagcgaaa tggtagg 267

<210> 21374

<211> 282

<212> DNA

<213> Glycine max

<223> Clone ID: 700954101H1

<400> 21374

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acggattgca tggtttcggc gttgaaatcg aggatgaatc cgggtggagta tcctccgccc 120  
gtggcggagc ttgttcagga aggagcacgc cgattcgact cagatgctct tggagaactc 180  
ggtgtgcttc acggtagggg tcatggcggc gaatctcgcg attctggaag ccgcatttga 240  
ggagaaaacg gagacgagca ggttctgcgt ggtggatttt ga 282

<210> 21375

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700954065H1

<400> 21375

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ttggggcacc accaccacca ccacaaaccg gcggcggcgg ctatacatcc gtcgcaaccg 120  
ccgcagtctc agccgcaacc cgaagttcct cgccggagct ccgatgtgga gaccgataag 180  
gatatgtcag ctactgtcat tgaggggaat gatgctgtca ctggccacat aatctccacc 240  
acaattggag gcaaaaatgg ggaacta 267

<210> 21376

<211> 260

<212> DNA

<213> Glycine max

<223> Clone ID: 700954068H1

<400> 21376

gaaagagaga aacagaagtt tgcagaagaa aaggaaaata aaaataactaa caaaagagag 60  
aaaagaagat gcagtgaagc acagtcataa aatagaaaca gaggcacat ttccgttttc 120  
caacaacctc taccctaacg ccgttataac ggttcgtgcc tccgcgacgc gacgcttcaa 180  
ctgtgaaaacg gacgcgacgt agtttatata aagcgcgcgc cttttccgtt tgtgcgttaa 240

tcaatcagca agacgatgac

260

<210> 21377  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954069H1

<400> 21377

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ttctcagaga gctgctgccg ccgctgctgg tatgtattgc ggagacactt ctacaatgga 120  
agagttgcag agtgcaatcc aaggagctat cgcgcatctg aagaactctt tgattcagac 180  
caacaaaaca atgggtcagta acgaaatcta agtctaatta attaatactaa tcaaatact 240  
ctttttccgt tgtaaat 257

<210> 21378  
<211> 251  
<212> DNA  
<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700954070H1

<400> 21378

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ttcttcagca attcttctca tcgtagggga aaacatgaag ttctgcaaaa agtatcagga 120  
atacatgcaa ggccaggaga agaaacttcc atgtgtagga ttcaagaagc tcaagaagat 180  
tctgaagaag tgcaggagaa actcttcata cctgaaaccc cttaatgcat cccttcgnca 240  
aaacctgccc g 251

<210> 21379  
<211> 254  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954071H1

<400> 21379

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0023E0"CTT560



caagccggac agcctcaatt gaaagccttt cttccaagag tgggcacgac gaggaagaaa 120  
aatccaaagc tgatcacaat gctcttcttg atgatgggtg gtatatatttg tcggactgaa 180  
ttccggagtt tactgactat ttgttctgct gagagtggaa aaacatagga gttaatgcta 240  
tattgtttat a 251

<210> 21383  
<211> 250  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954075H1

<400> 21383

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atgaggctag attgcaagcg cgctgttcct ttgttaatcc agaatagga cttataaagt 120  
ccacctgaag ttgtgaatca acttctaaat gcagatgata agagtgattg tagatatattt 180  
ttacatttat atctccactc attatttgaa gtaaactctc atgctgggaa agacttccat 240  
gatatgcagg 250

<210> 21384  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954076H1

<400> 21384

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tgaagccgca gctcctcgtc gaagctccca aagccaacga cgccattctg ttcttcaagg 180  
ctgcgtttgg cgctgaggaa gttggccgta cgctcaaccc taagcgcaaa gctgagcacg 240  
agctcc 246

<210> 21385  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954077H1

<400> 21385

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gcttttttagt gtttttcagat gcgaatctgt ttttgagttt tgggacaaag ttagttactg 180  
ctttactgta gaattgattt ttatgttgaa gaccgtggca ctgaggcctt ttatttatatt 240  
ttaaaac 247

<210> 21386

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700954078H1

<400> 21386

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gggtcataag agtgtgtttt cggtcggggc gttgggattc ggtcgggctg agtccgaccc 120  
aaatagagga tccgaggttt tgcgttggct tgacgaggtg gaggaagaag cgtcgggtgtt 180  
gtacgtttgc tttgggagtc agaagttgat gagaaaggaa caaatggaag cattggcggt 240  
gggatt 246

<210> 21387

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700954079H1

<400> 21387

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tctacgccgc acgccgaaac catggccgga aaaggagagg gtctgtctat cggaatcgat 120  
ctcggaaacca cctactcttg cgtcgggtgtg tggcaacatg accgcgttga aatcatcgcc 180  
aacgaccaag ggaacagaac caccgctct tacgtcggat tcaactgacac cgagcgtctc 240  
atcgtgatg c 251



<210> 21388  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954080H1

<400> 21388

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 aaggccaggc acatctcatt cttctcttga tatttctgat ggcactcgct gcaaacaaag 180  
 tttctagcag tcttattgtg actaaaagaa cagctctttg cagatcacat gaaaaacact 240  
 atttttcctc gtc 253

<210> 21389  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954082H1

<400> 21389

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 ggcgagggat ctggtgttat tgttgaggga tccctggttg cggacctgtt gcaactcccc 120  
 cagctgctga cactaaggct gctgttgctg aggatgacga tgatgatgat gttgatttgt 180  
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 catctgc 247

<210> 21390  
 <211> 255  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954083H1

<400> 21390

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accggaacg ggtctgggga agctccgaaa gtacaattcg ttctccggcg gaatctccgt 180  
 ccggtcaacg gtggcggagg cagttccgat aagtcgcagc atcaccattg ttcggtccca 240  
 gtctggtttc ggaag 255

<210> 21391  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954084H1  
 <400> 21391

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 tatgttgttt aataggaagt tagaatacag gtgtgaatta agtaaataca tggatagtct 120  
 tggtcctatt gaaaatacca gtctaaggga agaccctaaa attttaaccg atatagaaaa 180  
 aaaaattcac agggatttgg attatttaga aatggaaggt tttttttcta gcgatctgaa 240  
 tactgtttct aagaatg 257

<210> 21392  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954086H1  
 <400> 21392

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 aggaaatact acgggagtgg aaaaacaaag gaagcaccat ggagagaatc acagcttaaa 120  
 gggttgcaca attttctcgt ggaaaaagag gaagaattgt gacgggcctc acagcatgat 180  
 ttggggaagc attacgtgga ggcttttaga gacgagcttg gaacattaaa tgtaagccct 240  
 taaacttggc aacca 255

<210> 21393  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954087H1

<400> 21393  
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 tccttcgccc tcagatcgga gccatctctc ccctccccga tctttttccac cgcaacaccg 180  
 ccaccatgcc ttctcggaag gaaaacgctt ccggtggaaa cttgaccggt ctccccaaag 240  
 ttcccgcgaa taag 254

<210> 21394  
 <211> 229  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700954088H1

<400> 21394  
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 ctcttcacag acactatggg tgacccatt tgtaggatcc ggaacagtcc catgtacatg 180  
 atgctggtaa gtgattcaca cacaattact atatgccact ataagggcc 229

<210> 21395  
 <211> 248  
 <212> DNA  
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 <223> Clone ID: 700954090H1

<400> 21395  
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 tcccagaggt ttcgctgtga aattctacac tagagagggt aacttcgacc ttgtgggaaa 180  
 caacttcctt gtctttcttcg tccgcatgg cctcaagttt cctgacatgg tccatgctct 240  
 caaaccca 248

<210> 21396  
 <211> 246

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<400> 21396

<210> 21397

<212> DNA

<223> Clone ID: 700954092H1

<400> 21397

<210> 21398

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700954093H1

<400>	21398
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9016

249

<400> 21399

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<400>            21400

atcaaggt 248

<400> 21401

gatctttcgg ggaatgaaat ttcagggagt gcaattgggt tggatgaatag tactgagtat 240

**DEPT OF AGRICULTURE**

ttggtggggt tttg

254

<210> 21402  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954038H1

<400> 21402

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agtgggtgtgc taccataacc tggcggtgag tttcgtgatc cccactgacg gccacacctt 180  
aaaagcccaa aaggcagttc tggaggccct tccggactca atttcccaca ccttcctccc 240  
tccggtcaac tctccga 257

<210> 21403  
<211> 160  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954039H1

<400> 21403

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ccagaaagat ttgcaccttt gtacttcatt tatttaaatt ttgaatattg tgtattactt 120  
ttgatgaatt tagttaattt ttagttcgcg taaggatttt 160

<210> 21404  
<211> 257  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954040H1

<400> 21404

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acgtgtaacg gggagctgct tcgaggatca gacgcttatt gatggatatc gcagtaaata 120  
taacgatgca gtgattcatc tttttgttag ggtgaaatat gcagaagtta ggacgggaca 180



cgctctttca gctttgactt tgggtggaac taaagactag tcaaaatggt gaagttcaca 60  
gctgaagagc tgcgtcgcat tatggactat aagcataata tccgtaatat gtctgtcatt 120  
gctcatgttg atcacggaaa atcaaccctg actgattctc ttgtggctgc tgctgggtatt 180  
attgctcaag aagttgcagg tgatgtccgt atgactgata cccgtgcaga tgaagctgag 240  
cgtgggtatta 250

<210> 21408  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954044H1

<400> 21408

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ctcttattat gatgggtctt gatcaagatg ctagcagcaa ctctggcctt catcttattc 120  
taggggttagc tttgactgcc accaccacca ctactccatc actaccatcc atttccaaca 180  
agcttgatca tgttgatcat catcaccatc ttataactct tagaccaaca acaaagtcac 240  
cctataattc c 251

<210> 21409  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954045H1

<400> 21409

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aagctgagga aaaggccaac gagatctctg tctccgccga agaggaattc aatatcgaga 120  
agctgcagtt ggtcgaagcc gacaagaaga agatcaggca agaatacgaa cgcaaagagc 180  
gccaaagttga aattcgcaag aagattgagt actcgatgca gctaaatgct tctcggatta 240  
aagttcttca a 251

<210> 21410  
<211> 250





taagattatg ttgtctgctt atgaagt

267

<210> 21413

<211> 266

<212> DNA

<213> Glycine max

<223> Clone ID: 700954050H1

<400> 21413

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atgtcccttt ctgttctctt cactcttggt cttgcgagag aaagccatgc cagagacgaa 120

gatttttggc atgctgtttg gccaaacact cccattccaa gttcattgag agatcttcta 180

aagtctggcc ctgcaagtgt tgaaatcgat gatcaccta tgcaaattga cgacacagta 240

cccgagaacc ttcttctata aagaag 266

<210> 21414

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700954051H1

<400> 21414

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gttctacaac ggggtgcgcat ggtgaacccc ctgttacagc caattgtctc ttcgcgggtt 120

gaatctgtta cacctgctcg cattgaggag catggttttg agagcaccac aatttcagac 180

atcttgaatg ataaaggcaa ggggtgctgat ggctcctggc tttggtgcac cacagatgat 240

accgtttatg atgctgtta 259

<210> 21415

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700954052H1

<400> 21415

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aacatcacc gcattgttgc caaacacccc ggcttctcca ctttcaacca ctatctctcc 120  
 ctacccacc tcgccgaaga gatcaaccgc cgccagacca tcaccgtcct ggccctcgac 180  
 aatgccgcca tgtctccct cctcgacaag cacctctccc tccccacat caaaaacgtc 240  
 ctctccctcc acgtcctcgt c 261

<210> 21416  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954053H1

<400> 21416

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 tgaatcagtg aacgaggggc accctgacaa gctctgtgac cagatctccg atgctgtgct 180  
 cgatgcatgc ttggagcagg accctgacag caagggttgc tgtgaaacct gcaccaagac 240  
 caacatggtg atggtttt 258

<210> 21417  
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 <213> Glycine max

<223> Clone ID: 700954054H1

<400> 21417

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 tcaagaggtt tctggtgagg accattttga accgggttgc attcaaaaat gttcaggagg 180  
 ctttgtctat gaacaatata cgcttccgaa gctttatgtg aagatgcata ttgtgttcct 240  
 gtgctatcca ct 252

<210> 21418  
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 <213> Glycine max

<223> Clone ID: 700954055H1

<400> 21418

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 tggagaaaac acatgtgggt ccttggttaa aaagcttcag gaaatatggg atgaggttgg 180  
 tgagagcgat gagcaacgag acaagatgct tcttcagtta aaacagcagt ccttggtttt 240  
 gtacaagaga ag 252

<210> 21419

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700954056H1

<400> 21419

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 tcggccaccc tcatatggat cgcttcagcc cttcatgcag ctgttaactt tggacagtat 180  
 ccatatggag gtttaatctt gaacaggcca accattagca ggaatgctgc ctgagaaagg 240  
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<210> 21420

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700954057H1

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 gacggtgata ttcttcagaa tcctggcaca tactttatct tgtccgtttt tcgacccggc 180  
 ggcggagtag aattcgccgc cactggaaac gaaacttgcc ctctcactgt cgtgcagact 240  
 ctcttcggga ggggc 255

<210> 21421  
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 gaaaaggcat cttaccggtg aatttgagaa gaaatacgaa ccgaccattg gagtggaggt 180  
 tcaccattg gatttcttca caaactgtgg aaagattcgc ttctactgtt gggatactgc 240  
 cggacaagag aa 252

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 <213> Glycine max  
  
 <223> Clone ID: 700954059H1  
  
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 agaccaatc gcgagaggca 80

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 cacgatgtcg cccatgaact caatttccat gttcatatgg cactggaaaa ctccacaagg 180  
 agggaaactaa ggcagaggaa acttagagga ggaggcaaat gtcaagcctc caacccatt 240  
 gacgctt 247

<210> 21424  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954061H1

<400> 21424

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 gtgtatcatg gagatgaact ctgccaaagag aagtcaaagt tgctgctaaa ggaggtaggg 120  
 ctacctaatg ggctttttgcc attgaaggac attgaggaat gtgggtatga gagggatagt 180  
 gggtttgtgt ggctgaagca gaagaagagc acaaaccaca agtttgagaa gattgggaag 240  
 ctggttt 247

<210> 21425  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954062H1

<400> 21425

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 tcacctcttt gtggggaata tttgactgtg aagtctctgtc tttctccctt gcagaggcat 180  
 ccattcctct ttctggattg gttctaacaa ctaataacgg aggacaatct ttcatagact 240  
 gttctaaata 250

<210> 21426  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954063H1

<400> 21426

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cttccaattc cacgtggcaa aaaggagaga ctctgattct gagccgcttc tagaaccttc 180  
cattgtccaa gaagtttcat tccacgacga caacgaagaa gaagaattcc ttgacgaatt 240  
tgaatacgat ga 252

<210> 21427  
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<223> Clone ID: 700954037H1

<400> 21427

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cactattcaa aatcggttcc attccaatat aagaagtga agagcccaga actaccaggc 120  
aagaacatag tgtatgtgtt tcaaaactgt gattttgtta tctgttcttc aaaaccattg 180  
aagatgaggt ggctctttcc tctcctcttt cttttttcgc ttggtcttac tgttactggc 240  
caagaatcca ttgagttc 258

<210> 21428  
<211> 255  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954010H1

<400> 21428

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atacttaata tacacacacg agaggggacaa cgcgagagaga ttcagaaaca gaacgactcg 120  
gtatttctct tcctctaaag accgagtcgc actcggaggg cgaagaaggc aaactcagta 180  
acctttcctt ccttcactac acgagagaga gacctcagtg tctgagacgc aggcaacgtg 240  
cattttccca tacga 255

<210> 21429  
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<212> DNA  
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<223> Clone ID: 700954012H1

0927-0320

<400> 21429

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 accatgctgg agaatacaaa ggggagcacc atggtgaaca cagtagtgag tacaaaggag 180  
 agcatcatgg tgaacacaaa gctggagagt accatggtga gcacaagcca gagcaciaag 240  
 aggggttcct aga 253

<210> 21430

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700954014H1

<400> 21430

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 agatggacac tggcattcca tctcaaaggg tgctccttg tttccttatg aaggtaaaga 180  
 aataagccgt ttatcttttg aatcgcgaga aaccatcaaa tccacaccaa agctaaaaga 240  
 gcttcctaga cttt 254

<210> 21431

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700954015H1

<400> 21431

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 ctcttcttct tggaaaagga cttgcattct ggaacaaagt tggacttgca cttcaccagg 180  
 agtacatcta atcaagccac gttcttgtca cgccaagttg cggattcgat acccttttca 240  
 tccaacaagg tgg 253



[illegible]

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<212>	DNA
<213>	Glycine max

<400> 21433

<210>	21434
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<212>	DNA
<213>	Glycine max

<400>            21434

9029

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aacgatctca gagtttttga taac 264

<210> 21435  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954019H1

<400> 21435

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gcacgggaag aagtactgcg acaaaggatg ggaatgtaag ggctgggtcaa tttactgttg 180  
taacctcact attactgatt atttccagac ctaccagttc gagaatctct tctccaagcg 240  
gaactcgccg gtggcgcac 259

<210> 21436  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700954020H1

<400> 21436

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aatcccatca gaatgatgaa atttcaagca tgttcaaacc ccatctcaaa cttgtttctat 120  
gcgtgtttgtg tccttctttt accaccaacc atggccttag gagattgcac ctgtgacaca 180  
aaagaggcca caaagagtga ctcaattgaa gtcctccact acaaaattgg ctcaattgct 240  
tctgtgcttg ttgctgggg 259

<210> 21437  
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<223> Clone ID: 700954021H1

<400> 21437



<212> DNA  
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 <223> Clone ID: 700954024H1  
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 aaaaatacac acacacaggc tggaggggat gcagaggtta taaaggttca cagcattctg 180  
 gaggatgagg ttaatcagaa aaagaaactt gaagaagaaa taataatatt aagaagtcaa 240  
 ttat 244

<210> 21441  
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 <213> Glycine max  
 <223> Clone ID: 700954025H1  
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 tggaactgtg aagatttttg ttttagactg tgctggtttt gtttggtaat tttatgcact 180  
 aggggtgctt tgtgttacta caaggaaatg ctttcctatt ggattgcagt gtttagtta 240  
 acaatggcta tcaactg 256

<210> 21442  
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 <212> DNA  
 <213> Glycine max  
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 tcgctctgaa atgggctatt gacaatctta tcagcaacgg tgacactctc tacatcgctc 180  
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ctctgattcc attgt

255

<210> 21443  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954027H1

<400> 21443

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gcactcctgg aaaggggtatt cttgctgctg atgagtcacc agggacaatt ggcaagcgtt 180  
tggccagcat cagtgtagag aacattgaat ccaacaggcg agctcttagg gagctgctat 240  
tcactgctcc t 251

<210> 21444  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954028H1

<400> 21444

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cgaagttctg acacgggagt tagccgacga cggatactcc ggcgtggaag ttaggggttac 180  
gccgatgcgc accgaaatca tcacagagc gagcaggccc ctatccagtc tccaacccca 240  
ttgacgcgtg 250

<210> 21445  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700954029H1

<400> 21445

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003330"ETTES60

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 ctgctttctc cacctccttg ctcttcgacg aaactcagac acagtttaag gaaagtgttg 180  
 ctcaatttgc aacggaaaat attgcccctc atgcttcgaa aatagaccaa acaaattatt 240  
 tcccaaagga gg 252

<210> 21446  
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 <213> Glycine max

<223> Clone ID: 700954030H1

<400> 21446

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 ttttcaggaa actatgtatt ttgaaagggtg tcaactccaag ggagcctaag atacagttca 180  
 agggaaactca tcagacttat taccatgtca aggatgtttc cttccttcat cagagttctt 240  
 tggttgaaat aca 253

<210> 21447  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700954032H1

<400> 21447

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 attggcattg ttggattcgg caactttggc cagtttctgg ccaagacaat gattaaacaa 120  
 ggccacactc tcacagcaac ttctcgatct gattactctc aactttgtct ccaaattggg 180  
 atccattttt tcagggatgt cagcgcattc ctgcgcgag acatagatgt tatagtgttg 240  
 tgcacatcga tattatc 252

<210> 21448  
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002220"ETTES60

<223> Clone ID: 700954033H1

<400> 21448

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aaaaatattg ggttgttttt tcttgtggtg gtggctactt ttgtggcggc agccacagct 180  
ggtagctttt accaagactt tgaaataacg tggggtggtg agcgtgccaa aatctatgag 240  
aatggaaacc ttctcacact ctcccttgac a 271

<210> 21449

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700954034H1

<400> 21449

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tggtgcccgat actccggagg tgaaatgctc aagttggagg cttgctgtgg aagcagacaa 180  
catctttggc tttagacca ttcctgaaga gtgcgttgaa gcaacaaagg aatacatcca 240  
tggcgaacaa tatagatcag actcc 265

<210> 21450

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700954035H1

<400> 21450

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tgaggctaag ggaagatcta gacattatat agtgttgcag gagtggctgg aagaggataa 180  
gaaagagaaa agcaattcaa acagtacaaa caaaaaggat gtggaatcta ttttaacttt 240  
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 <213> Glycine max  
  
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 gggtcacatg acgggtcggg ttttgttgat tttggggaac ttgggttccg ggtcggacgg 180  
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 cgagtcaagg agcgggtc 258

<210> 21452  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700954009H1  
  
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 atgcagaaca tgaaggggtg ggcaggtatc caacagacat tattggaaga acaagagaaa 180  
 ctgtctgaaa atcaagcgca gattctcgac aaagttgtag atgcagagag taaggcttca 240  
 gtgctgaaga acaaaacaga 260

<210> 21453  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953970H1  
  
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ccaagaagaa gcgaaacaac ttctcacgcg ctgtctcaat cttggaatct ctgctctaaa 180  
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 gctg 244

<210> 21454  
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 <212> DNA  
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<223> Clone ID: 700953971H1

<400> 21454

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 atcttcttcc acctcttaac ggatctcaga ttccaaaatc tatctccttt aggctctcca 180  
 aatttttact tcagttctta atctcctgaa attctgtttt ttttttgtgt gtatgtgtgt 240  
 gtg 243

<210> 21455  
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 <212> DNA  
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<223> Clone ID: 700953973H1

<400> 21455

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 tgaaatttgg ttggagaatt atagtaggat caatcattgg atttttggga gcagcattgg 180  
 gcagcgttag gaggggtagg aggtggagga atttttgtgc ctatgctggc tttgatcatt 240  
 ggct 244

<210> 21456  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953974H1

095344-03200

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 ggaaccacct actcttgctg cgggtgtgtgg caacatgacc gcgttgaaat catcgccaac 180  
 gaccaaggga acagaaccac gccgtcttac gtcggattca ctgacaccga gcgtctcatc 240  
 ggtga 245

<210> 21457  
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 <212> DNA  
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<223> Clone ID: 700953975H1

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 agccccctgga gttcagaccc ccctcatcgt ccgtttctcc actgttatcc acgagcgtgg 180  
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<210> 21458  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953977H1

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 gcgcggagtt tcccgattac aacatcaggg agtacaccaa actacgcacc gccgatgcgt 180  
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 agtcacag 248

<210> 21459  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953980H1  
  
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 aatatgatca tgactgcaaa gcggagcata aagaaatcag aagaggacat acctgtgcca 180  
 cctcttgtga agagtgtgc tctttggggc gtctttctag ccgtttcttc caacacgcga 240  
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<210> 21460  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953981H1  
  
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 atgggagttc cagagagaga ccctcttgca caattgagct tgcctcctgg atttagattt 180  
 tatccactg atgaggagct tttggttcag tacctttgcc gcaagggtgc tggccatcat 240  
 ttctctcttc caatca 256

<210> 21461  
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 <212> DNA  
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009344-03900



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ggtgccagat gttggcgaag ccgaagagga ggacaacctg ctgaacgccg agcaccactt 180  
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 atagccaatg cgcagaacaa agagagagcg aggettaaga aactcttcga agaagcctac 180  
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 aacggttgaa ttgaagatga aaatcactgt catgactgct gatgaacaaa tcatcacggt 180  
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252

<400> 21470

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9043





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 agtgcaagca aatgccatgg agcagagttg gtgggccaat atgcctcacg agcttctcag 180  
 agaggtcctc ctccgaattg aatcgtcgga gtccacgtgg ccgctgcgga ggagcgtcgt 240  
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 aaggcctcgc cggcgagatt cccgaggctg ttcaatcagc gatcgagcac cggcgaaaag 180  
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<210> 21479  
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 <223> Clone ID: 700953934H1  
  
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 gaaatggaga gcaatttgaa gaaatgactt taaatctttg tgtactgacc cccaatcgaa 180  
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002220-ETFE50

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<223> Clone ID: 700953936H1

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acgattttat aaacagatat gataaccgt tgctgagaga gagaatcttc cacttctcag 180  
cagagtctat tgcaaaactg aaagcaaagg ctaactcgga gtgcaacaca accaaaatct 240  
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<223> Clone ID: 700953937H1

<400> 21482

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tagtcctcca taactgcgag atcatgccgg accctaccct cttggcagac cgcttgagcg 180  
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<223> Clone ID: 700953939H1

<400> 21483

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<212> DNA  
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 gttgatgttg gtcggtgtgg caaatgctat ggctaactct tccaacaaat ttgatcaact 180  
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 caacaagacc cgctgcagg gatcagtggg gccccccagg ataacaacat aatgctgtgg 180  
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002220-ETFE560

ctccaattta ctgag

255

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acttacgctg atccataatt tgttgctttt cttccttcgt acaatgtcag aactttagca 180  
tcaccttttt gcctttcctt cttactaact cagataacta ccgccaccat gacttcaaaa 240  
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<223> Clone ID: 700953949H1

<400> 21490

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caaaagcttc aagtccagta gccatcgga cgaactttat tacgaagcgg agatcgaatt 180  
gatgacgagc aatgactcca acaccatgtt cgtcgatttc gaccacgtca tcagattcag 240  
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 gaggaactta tcaggatggg tttgcatccg agcgagatca tcagtggata cactaaagcg 180  
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 cctgctcctc cggcacatgc ttctccccct gaatactttg tcctccaggg gaacacaact 180  
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 <223> Clone ID: 700953952H1  
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<223> Clone ID: 700953954H1

<400> 21494

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 gatttacaca acaaattgct ctgatgagaa gcccagtta tcttcctttg aaagctcaca 180  
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<210> 21495

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<212> DNA

<213> Glycine max

<223> Clone ID: 700953955H1

<400> 21495

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 ttggagcttt aagccattgt gcattctctc tcatttgtgt ccaactgtaag aggggtgttg 180  
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 gagccatggc ttatgcacag cagctgcgta tgagtcaggg tcaaatcagg cagcaactat 180  
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[illegible]

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<210>	21499
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<210> 21503  
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 aaattgcgag attcactgct taccctagca gcagattttg ggttctgacc caattattca 180  
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 caacgagctg aagcgcgtgt tccagatgtt cgaccgcaac ggcgacggaa gaatgacgaa 180  
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 atgttcaccc gattggccc tcttggcaca tgcttggtt gggttatcag aacaaaactg 180

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<223> Clone ID: 700953910H1

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<223> Clone ID: 700953911H1

<400> 21516

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<212> DNA  
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<223> Clone ID: 700953915H1

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<223> Clone ID: 700953917H1

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 caagaçaaga aagcgttgct ccaactccag aaggacctcg gcaaccctta tcacatcata 180  
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acaaaccgcg tcattag

257

<210> 21522  
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<223> Clone ID: 700953919H1

<400> 21522

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cttcttctat aacatcgacc ggggtcgtcc tctcgaaaaa tgctacctct gcgtccacaa 180  
tcacaggttg gagcaccaaa aacatcgctg tctcttgttt cctcagacc cctcctgtct 240  
cctgatgaac ct 252

<210> 21523  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953921H1

<400> 21523

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aataacaatg ggaatgatag tggattttga aaatgaccaa aacgacgccg ttctggttcc 180  
gccccctaac ttcgccatgg ttgaagactg cgttttccga tccagcttcc ccacccttc 240  
caatttccc 249

<210> 21524  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953923H1

<400> 21524

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002220" E.T.F.E.560

acgctaattt aggaacaatt tttgtttttc gaattttgtt gacttgtttt gtttctttta 120  
 gtctgattaa tttataatct agagataatt caagagatta ttggcattta acaatggttt 180  
 gacaccaaac taggagcagt ttttgttttt ctgattttgt tgacttgttt tgattttgtt 240  
 tcagtt 246

<210> 21525  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953924H1

<400> 21525

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 cggaatcgat ttgggaacga cgtactcttg cgtcggcgtg tggcaacacg atcgtgttga 180  
 aatcatagcc aacgatcaag gtaacagaac taccatcc tacgtggctt tcaccgacac 240  
 agaa 244

<210> 21526  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953925H1

<400> 21526

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 ctttctctc gtccatattt tcacatagag cgcggcgatg gaaggcttag gctgtgtttg 180  
 cttgagagct tttcggcctc ggatagtgat gatgaagttt gtgatgctga ggaagggtgtt 240  
 gatacca 247

<210> 21527  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953927H1

<400> 21527

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 aacaaggacg aggccagata atggacacct tggctgaaat acaagagcga catgaagcag 180  
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<210> 21528

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953891H1

<400> 21528

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 gatcgaaacc ctaaaacgcc gcatcaacga cgctgacact ccgaaacgca agatcaagga 180  
 gtacatcatc cgcctcctct atgtcgagat gctcggcgac gacgcctcct tcggatacat 240  
 cca 243

<210> 21529

<211> 249

<212> DNA

<213> Glycine max

<223> Clone ID: 700953928H1

<400> 21529

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 attgtgtcat tcatgggtgtt cttagcacc ttgccaacct tctatacaat ttacaagaag 180  
 aaatcatcag aaggatttca atcaattcca tatgcggttg cacttcttag cgcactgttg 240  
 cttctatat 249

<210> 21530  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953849H1

<400> 21530

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 gcgacagcat tccagactgg atctccgaat caatcaacgg cggctccctc cgccgcgctg 120  
 acctcaactc cggcaccaac ggctggggcgt cgccgccagg ctccgtgttc tccctccgct 180  
 ccgagagtta ctttgagaac cgccaaaaat ctcccgccgg cgactacctc ctctcgccgg 240  
 cgggcatgga ctggctca 258

<210> 21531  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953851H1

<400> 21531

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 aagagagtgt tgcttacctc caacggcgac gacatttctc aaggcattgc cttccatttg 180  
 gtgaagcaag ggtgcaggtt ggttttgctg ggagatcaga attccctgcy gacatcgcy 240  
 acaaaat 247

<210> 21532  
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 <212> DNA  
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<223> Clone ID: 700953852H1

<400> 21532

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actgggagtt tgccataggg atgtgaagcc tcaaaatctt ttggttcac ctcttactca 180  
 ccaagttaag ctatgtgatt ttgggagtg caaagttctg gtcaagggtg aatcaaaca 240  
 ttcataca 248

<210> 21533  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953854H1

<400> 21533

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 gtttctgaca atctagctct tggtttttct gatggaaatg agtttgaccg gcaatgtcgt 180  
 catgagctca ggcaaaattg tttagttctc tctccaccaa attacaagat tcctcttagg 240  
 tggc 244

<210> 21534  
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<223> Clone ID: 700953855H1

<400> 21534

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 tttgtctcac cagccatatg tgtatgatgg aaggagatga gaatattcaa gcatcaacaa 120  
 agggaaaaaa tgtggaaagc ttcaccagct tggaggcacc aaggaagaaa agcaagagga 180  
 tagaaaacaa gaggagggtt agtgatgaac agttaagatc actagaatgc atatttgagt 240

<210> 21535  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953856H1

<400> 21535

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 aatatggaaa atggcatttg tgaacatgaa cattgtagag ggaaatctaa gtgaacatgg 180  
 ctgttgaata ttagcagctg cccttaatgt ggagtatctt gagctaggaa aaaaaattgg 240  
 cacaaaa 247

<210> 21536  
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 <212> DNA  
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 <223> Clone ID: 700953857H1  
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 tcaagaagct gctgcgacta agctcactga gctgaagaga ccggaggcta aaactgattt 180  
 tcatgaaaga aagctaggaa gcagttccaa ccttgataat agtggagaac tacctacctc 240  
 aggatatgg 249

<210> 21537  
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 actctgtcac aaccccgaa cgactgggtt gaagccacta acagtttctt cgaccaagac 180  
 aaacgaccca tcatgttatt tgacggagta tgcaacttgt gcaacggggg tgtgaagtgc 240  
 gttcgt 246

<210> 21538  
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<212> DNA  
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<223> Clone ID: 700953862H1

<400> 21538

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 tgcttggttac gggagccggt ggtcgcacag gacaaatagt ttacaaaaaa ttaaaagaga 120  
 ggccaaacca atatgtggct agaggtcttg ttagaacaga tgaaagcaaa cagaacattg 180  
 gtgctgcaga tgacgttttt gttggggata taagacatgc tgaaagtatt gttcctgcaa 240

<210> 21539  
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 <213> Glycine max

<223> Clone ID: 700953864H1

<400> 21539

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 gcatctgaag gttactacac tggggatgat gattcaagca aacagaatct caccctcaaa 180  
 agtagggtag atattctagc tgggggt 206

<210> 21540  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953867H1

<400> 21540

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 aaatcgacgg tgggagacaa ggctccggcg gagaagaagc caaaggccgg aaagaagctt 180  
 ccgaaggagg gaggcgccgg cggagaaggt aagaagaaga agagaaacaa gaagagcgtg 240  
 gagacataca 250



<210> 21541  
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<212> DNA  
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<223> Clone ID: 700953868H1

<400> 21541

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aggatttcca agggaaagaa ggggtggcaag aagaaagcgt tagtgcccat tcccttcttc 120  
actcttttat tctctccttt aaactctgat ttctttcttc ttcttcctg attccacagc 180  
gctgatccct ttgccaagaa agactggtac gatatacagg ccccttcctt cttccaggtc 240  
aagaa 245

<210> 21542  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953869H1

<400> 21542

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caaaactgta agctccctaa tttccctgat gatatacct ggttggccag aggttctaaa 120  
gttggtatg agattgaaaa ccagaggatg cagcttgaga attgcttgat ccagtacttg 180  
actcatacta gtaagacaat gggaatttct ttggcaacta aagaggcaag tgtcacaatg 240  
caaa 244

<210> 21543  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953873H1

<400> 21543

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tctaatacgt tctcaggatt cctgtttgca tcatattcac aagttagttc aattctggtt 120  
cttcattggt catacttcat actctaactg ttcacottaa atttctgtc caagtaactt 180

gggtgatgta gagttttttt atttcttcac cttcctgggt tttacttttc atattcctac 240  
ttcatttg 248

<210> 21544  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953874H1

<400> 21544

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attagctact gatttcactg ctgacacatt gggtttcaag acctatgctc cagcatatct 180  
tagcccatat gcatcaggga aaaacctoct tattggagca aactttgctt cagctgcatc 240  
tggtta 246

<210> 21545  
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<212> DNA  
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<223> Clone ID: 700953875H1

<400> 21545

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caatcccat ctttgtggcg gttctctttg tatccaccat ctccccttcg cgcgcaatct 180  
actgcgacga agatgattgc tacgatctac ttgggggtttc tcaaagtgcc aatgcttccg 240

<210> 21546  
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<213> Glycine max

<223> Clone ID: 700953876H1

<400> 21546

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atcatacatt gactctatca gtttcattcc tgaatcaatt agtttcttca ctttcacttt 180  
ctaactggga ggatcaaagt gtgtgtcttt gtcctcttgg tgttgtttct tcttcttctt 240  
ca 242

<210> 21547  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953880H1

<400> 21547

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ccttcaaagc ttccaagtga gaactatgat ggttccagca caggccaagc tcctggagaa 120  
gacagtgaag tgattatata cccacaagcc attttcaggg atccattcag aaggggcaac 180  
aatatcttgg ttatctgtga tacttacatt ccagctggag aaccattcc cac 233

<210> 21548  
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<213> Glycine max

<223> Clone ID: 700953881H1

<400> 21548

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acaaatcgtg ttaaataccc agagggctgg gaattgattg agcctacact ccgtgaactt 180  
caagcaaaga tgagggaagc tgagaatgat ccacatgatg gcaaaagaaa atgtgagaca 240  
ttatggccaa ta 252

<210> 21549  
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<223> Clone ID: 700953885H1

<400> 21549

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tcctcttccc tctccagtcc tgcaaaaacc aagtctctgc cctcactttc tagattttct 180  
gtcaagcgtc cgtacttctt ttcccaaact taccgcgcga ttgctgtgaa caagccctcc 240  
atg 243

<210> 21550

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953886H1

<400> 21550

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tcggaccttt ttcgcttctc gattcgcttc cgtagccggg cgatttgagg acccagaaaa 180  
gaacgaaccg aacgttttat attttttcgg ataataatc gaagatgtct cgttgcttcc 240  
ctt 243

<210> 21551

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700953887H1

<400> 21551

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agcaagtggg aaaagaagga atgatggaac aaatcaaacg cgaaatttcc gtgatgcgtt 180  
tggtgcgaca cccaaacgtg gtggaaatca aggaagtgat ggccacaaag acaaaaatct 240  
tc 242

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 <212> DNA  
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 <223> Clone ID: 700953888H1  
  
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 gatcgatgtc tctactctgc ttctaaatgg gctgcagaac agttggtggg tattgagcaa 180  
 gaccctgcc agttcactcc ctcgaacacg agatttcagc gtgggagttc gagcattcgc 240  
 agga 244

<210> 21553  
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 agagatcctg aacctctggc actccctcca cttggacctt gtccaaatcc tctgctccgc 180  
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<210> 21554  
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 gagaaccac ggcctggagt cattattaac agtccacacg gaaatgatgt ttacaagggg 180

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<223> Clone ID: 700953890H1

<400> 21555

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 gcaccccatg tccttgtcta gtagaactcg tccatagaat gatcactttg ttataaaaag 180  
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<210> 21556  
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 <212> DNA  
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<223> Clone ID: 700953811H1

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 aaccattcaa gccggttctt ttgccggtcc agctgggccg gtccaccgtg gcggttccgg 180  
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 cggtag 246

<210> 21557  
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<223> Clone ID: 700953812H1

<400> 21557

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0953113-030200

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atcatccctg ttcctaacga ttcttgtgga cagacagcgc actggtatct taaacaggcc 180  
tgatgggttc tagattccca tctcatcagc tcagcaatgg cctgtatgta tcaggtcgcc 240  
ctgaaca 247

<210> 21558  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700953815H1  
  
<400> 21558

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gaaattggag gttcctaagg ctggagagac gcctgattca gaatcaaaga gtagaattgg 180  
tgattttata tttagaacat catctagaat tattatggcc atacttctta gagacatgtt 240  
tg 242

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<213> Glycine max  
  
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tgaccgtatc tgggtgggca gctcatgatt cttcgggcaa gattaccccc tacactttca 180  
aaagaaggga gaatggtgtg aacgatgtga caataaagat actgtattgt g 231

<210> 21560  
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<212> DNA  
<213> Glycine max  
  
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[illegible]

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<400>            21564

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<212> DNA  
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<223> Clone ID: 700953825H1

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<210> 21567  
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<223> Clone ID: 700953827H1

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 tttaacaaat tttgcaggta ggaggaattg agttgaaatc gaaaggggaag cggtgggtta 180  
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244

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agtgc aaatg gtgctgcac tcaaaatgca agtgctcctt caccaccggg tgataagcaa 180



catcatttga aaaccttggt ttttttgctt caggcttcca actgctgtat ccactgcctg 60  
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 accacaagtt caccatcacc acttacactt ccaccggagt ggaaatcact tcaactggag 180  
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 tgaattttctc aaacttgatg ctcgggcaag agaggatact gagaaaattg accgtgatgt 180  
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tggccagctc catctccgtt ctggtgtttc tgggtattagg agttatgaag gagcctactg 180  
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tcctgtga 248

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ccagtgattc tcttgccgga atcgacgagg tggatggacg cagaagagag atttgtgaga 180  
agatcgtgga ggcttgcgag aattggggta tattccaggt tgttgatcac ggtgtggatc 240  
aaca 244

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ctcggctacc gcgccgtcgc tcccgatctc cgtgggtacg gtgacaccga agcaccacct 180  
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aattctttct ctcaaccgat ttatctgagt gagggggttg gccaatgacg agtggttttg 180  
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tcaagctttg atttatgatc tgtataaact aatagtgat ttctaaagggt ttagaagctg 180  
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**DEPT. OF THE ARMY**

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tccttacc	cccaattattaa	tggtgcacat	tcagccatca	ctctggagac	aaagaatgta	180
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248

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gggcagggaa aaccattgtg gatttggtcg ctgaggaatt caaagggtcg ccttatgagt 180  
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aagttgaagg gagttcaata caaatatgtc gaagaaaatt tgaggaacaa gagtgaactg 180  
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 gccgccactt ccaccatgtc cactccactt caagagttgc gcaattcact atcagagcct 180  
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<223> Clone ID: 700953792H1

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 aaatatataa aaaggcaaaa taataataaa aaaaagagaa ggcttgagc caagaaaata 180  
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[illegible]

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tcagaaagcc	aagcattca	agtgccatgt	ctgccacaag	aagctctcca	ccgccggcgg	240
catggccatc	c					251

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atgtttcccc cgctttttacc ttctgtttac atttcacaat acatggatca caaatgggtgt 180  
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 ctctgtctgca cttcttcatg gttggatttg cgctctcac ctctcgcggc tctcagcaat 180  
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 gtgctgca 248

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<212> DNA

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<213> Glycine max

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gctccttcaa	ccaagacaa	tcaattacag	aatatcatta	agcttggaga	aggacttttg	180
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tgggttcttt	gttctccaac	actgtactag	tctactatga	ggatacaggg	atgtggacaa	180
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caaagaaaga	aactgtgttg	ttgtggctga	agcaagtggg	gacttgatag	acatattggt	180
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 gatagattca ataatcaagg tttagtatgg cagattcttt gatatccaga agtaaaagtg 180  
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<210> 21628  
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<223> Clone ID: 700953758H1

<400> 21628

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 acagcattac cagtgttaag ggtgtcatcg gaaccggcat taacatcatt ggaggagtgc 180  
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 ctga 244

<210> 21629  
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<223> Clone ID: 700953761H1

<400> 21629

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 aacaacgtcg ttttccttct tcttcttcgt cttcttcttc tttgctcacc cggctcagtt 120





aattaagcaa ttacgttttaa cactctaaaa catctctcgt tggctatatt atatatcctg 60  
 aaaagctcac tcatggcaag tattttctact gtctcgggtc ttgatagaag gcttgaaggg 120  
 aaagtggctc ttatcagtgg tgggtgctagc ggtatagggtg aggccactgc aagactcttc 180  
 tctaagcatg gagcacacgt tgtgatagct gatattcaag acgatttggg tctctctctt 240  
 tgcaaac 247

<210> 21633  
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 agaaggggaa caagaagatc gaagaagaag aagaagaaag ttaagatatg ttgcttggaa 180  
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 aaaccaaaac a 251

<210> 21634  
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 <212> DNA  
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 tcacacatac acacatctga acgcgtatcg tccctcccat ggcttcaaag cgcctcctca 180  
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 aggacatg 248

<210> 21635  
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<212> DNA  
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<223> Clone ID: 700953691H1

<400> 21635

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 gttactccga accatcatgc cccgtgatgg ctgccacccc actgccgttt cttaccattg 180  
 tttttttgcc tccatggaga agcctaaaca gatacttgct atgtttgatg agatgggtga 240  
 gagtggggt 249

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 <213> Glycine max

<223> Clone ID: 700953692H1

<400> 21636

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 atgctgttga atcctgaaga cgctcatttc ttcgatcttg ttcattgtgct gtattcccgt 180  
 aacttgggaa cccgaaattt tgtgaccagc aatgctgagg gatcttatga gggaagcttc 240  
 cgccaaagat g 251

<210> 21637  
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<223> Clone ID: 700953694H1

<400> 21637

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 ataccctggg ggacttgagt ttcaaaatac actttttaat atggctatca aattatgagt 120  
 ctgaccctgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaggggg 180  
 gg 182

[illegible]

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<212>	DNA
<213>	Glycine max

<400> 21639

<210>	21640
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<212>	DNA
<213>	Glycine max

<400> 21640

9104

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 aagaacctat agat 254

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<223> Clone ID: 700953705H1

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 tgagttaaac actttcattt cgaagatgcc gcgcccaggg ccaaggcctt acgagtgcgt 180  
 gagaagggct tggcacagcg agcgccacca acccgtgaga ggttccatca ttcagcagat 240  
 tttcagggtc gtc 253

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 tggacgcaga agaaccagaa aagaaaaaca agcacgagga gatgattaac ttcgaagaaa 180  
 ccgagttgcg actcggcctc cctggcgggg ctgcgagtga tcacaacgag tcaacaacgg 240  
 tcaagggcag 250

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<223> Clone ID: 700953708H1

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 cttatttgcg tgtggattaa tcttcagaat gaagtgtccc aataatctta gtggcaagaa 180  
 ttgcctgtta ttttcgtcaa agtattccaa gtgaagtgtt ctacaaatgc gatagacata 240  
 actatttatt 250

<210> 21644  
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 <212> DNA  
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<223> Clone ID: 700953710H1

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 atggacaagg ggggtgccacc tagcctcttc gtcaatgacg gttctttcat ggagagggtc 180  
 aagcaacttc agcaagagca ggagaaaaggg aagaatgtca aattggagga ttctacacca 240  
 attaaggt 248

<210> 21645  
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<223> Clone ID: 700953711H1

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 tctctctcct gcccgccctg cccggctgcc aacttcaca cttgcagc 108

<210> 21646  
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 <212> DNA  
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<223> Clone ID: 700953712H1



<223> Clone ID: 700953718H1

<400> 21649

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 atttctgtat cttctgggtga aaagctaatt tgttcactct aataggtgta cagtgcataa 180  
 gtgtaaactt tgaaacctag cttcctagtt gaatcatcag aagcttataa gtcgaatcca 240  
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<210> 21650

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700953720H1

<400> 21650

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 agcacaattg agacaccaag tccaagcatc cctgagatat catcatcatc tccccctggc 180  
 tctcttgcaa gaattgcaca aagttaccct cccggctttc ccagaaaggt gtttagcggag 240  
 attataggga cat 253

<210> 21651

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953721H1

<400> 21651

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 tggcagagac cgcccaggtc tcttgtctga gatttcggct gttcttgcca acctccattt 180  
 taatgttttt gcagcagaag tttggactca taacaggcga attgcttgcg ttctttatgt 240  
 caatgatgca a 251



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 <212> DNA  
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<223> Clone ID: 700953722H1

<400> 21652

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 cggaagtact atgtttcatt gctctaccat tatgaacaaa tctacttctt taaagctcgt 180  
 gaatgggatc ctattgctcc tgatgtttcg cagaaccaat cgaccctgcc agttcctcct 240  
 ccaaaaatgc 250

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 <212> DNA  
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<223> Clone ID: 700953723H1

<400> 21653

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 gttaccacaa aagatgctgt tcttgaggcc atcaagcagg gctacaggca ctttcatgct 180  
 gcttctgctt atgggtgtgga acagtctgtg ggagaaccat agctgaagca cttaagcaag 240  
 gactaat 247

<210> 21654  
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 <212> DNA  
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<223> Clone ID: 700953724H1

<400> 21654

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agagctttcc tgtgccagtc tatctgtctt taattccaat cattggtgga tgtgcacttg 180  
 ctgctgtgac tgagctcaat ttcaatatga tcggttttat gggggccatg atatcgaatt 240  
 tggcattt 248

<210> 21655  
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<223> Clone ID: 700953725H1

<400> 21655

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 acaccaatgg gtggatttct tgggtactctg tcatctctat ctgccaccaa gctaggctct 180  
 atagctattg aagctgctct taaaagggcc aatgttgatc catcccttgt ggaagaagta 240  
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<210> 21656  
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 <212> DNA  
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<223> Clone ID: 700953727H1

<400> 21656

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 ccctatttag ggagtgaat agagaacctg agatccgatg cgaacaatca gtcgaaggag 120  
 cttagagcct ttacttgata tttagtaaag cgactcact ctaacggcgt accttttgca 180  
 tgatgggtca gcgagaaaat gggaacagcg gcttaagcca ttaggtgtag gcgcctttca 240  
 gaggtgg 247

<210> 21657  
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<223> Clone ID: 700953728H1

<400> 21657

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tcgtgcagat agatagatag atggctcgga gctccacaag aatgaaatgg gtctccatct 120  
tcacacttct attcctctcc cactcgcccc tcacaacctt cgcagaagat gggctagtgg 180  
cgaatggaga ttttgagggt agcccatcaa gtgggttccc taacgaggcg attgtggagg 240  
gccccag 247

<210> 21658

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700953729H1

<400> 21658

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gtcgataacc taaagaagag gtacaaattg gagcgacaca gaatgagcag tggctgcatt 120  
tccaccagcc actggccttg gttcaagcaa ttggaacaga tcgtcgaaa ttctctccc 180  
gcgaagttct ccgacgagga taaagcggtc atttcagccg gaacttctcc ccggcaatcg 240  
aaaagata 248

<210> 21659

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953690H1

<400> 21659

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cataccgata tctctagctg gacgggattt gatggcttgt gcgcagactg gttctggaaa 180  
gacagctgca ttctgcttcc cgattatcag tggaatcatg aggggccaac ctgtgcagag 240  
gccacc 246

<210> 21660  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953730H1

<400> 21660

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 gacaagggac gaaaaatcag agagagagag agagagagag agagaaattc caaaaccatg 120  
 tcgtcccaca gtcactaag ttctgccttt ggggttctag gtaacatcgc ctccttcgtg 180  
 tgctttctgg caccactacc gacattttat agagtgtgta agaagaaatc aaccgaaggt 240  
 tccaatca 248

<210> 21661  
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 <212> DNA  
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<223> Clone ID: 700953658H1

<400> 21661

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 cctctttccc ttctcaagac tgccaaggc caccctatgt tgggtggaact gaaaaatggg 120  
 gagacatata acgggcattt ggttaattgc gacacatgga tgaacatcca tctgcgagaa 180  
 gtcatttgta catctaaaga cggagataga ttttggagga tgcttgaatg ctacatacga 240  
 ggcaatacaa t 251

<210> 21662  
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<400> 21662

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 gttcttcttt tcttttttta tatatacttg ggtgctaagc tgtgtgagtt cattgacaag 120  
 cctgaaatgg caactatgct gacaaaggag catgggtctga acctcaagga gaccgagctt 180

tgccctcggtt tgcctggtgg gggaggcggc ggcggcggcg gtggtgaggt ggaaactcca 240  
agggccactg ggaa 254

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<223> Clone ID: 700953660H1

<400> 21663

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caaaagcaaa tcgtcttgcc ataatggggtt gtgtaagcaa aacatgggag 170

<210> 21664  
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<223> Clone ID: 700953661H1

<400> 21664

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tccaagacc caaatgccta cttttccacc aaacataaaa ggtatggcga aatattcaag 120  
accaacatct tgggttgccc ctgtgtgatg ctgacaagcc ctgaggctgc acgctttgtg 180  
ctagtgactc aagctcactt gttcagacca acataccga aaagcaagga gcgtttgatt 240  
ggtccttttg ctctgtttt 259

<210> 21665  
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<223> Clone ID: 700953662H1

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caccttatgc ctctcttaaa ccttgctctc aaactagctc attcccttcc aaactgttca 180  
 ttctctttca ttggcacaca caaatccaat gcaatccttt tcccaaaacc ccacatccca 240  
 aataacatca aggcctatag ca 262

<210> 21666  
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 gtgcgaaggt caattccttt gagtctgagg tggtcggccg cgccctcttc ttccaagccg 120  
 acgcgctcct acagcatcac tctcatcccc ggcgacggca tcggccccga aatcatctcg 180  
 gtggccaaag acgttcttgt cctcgccggt tatctcgaag ggattaaata cgacttccgc 240  
 gagatgctta tgggtggagc t 261

<210> 21667  
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 <223> Clone ID: 700953664H1  
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 cctccgatcc cgacgaccag caattcttca accctaacga caccttcacc ctcggcccca 180  
 agatcgataa ttgggacact gagcgcaaga attggcttca ccaaaacccc gaatacccta 240  
 atgtcatcgg aggtaaacct c 261

<210> 21668  
 <211> 250  
 <212> DNA  
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 <223> Clone ID: 700953666H1

<400> 21668  
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 taatgataat gatggcgatg tctttctctc tctcttttcc tctcacactc ttcccatcta 180  
 ttccctcatg gtttcttctc tcttcttcc caataaaaat taccacttc taatcagaca 240  
 aaaagtagag 250

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<223> Clone ID: 700953667H1

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 tggtgaccaa cttgaggtca taaccaatgg caagtacaag agtgtcatgc accgagtgat 180  
 tgcccaagcc gatgatacca gaatgtccat agcttctttc tacaaccctg, gtgatgatgc 240  
 tgt 243

<210> 21670  
 <211> 243  
 <212> DNA  
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<223> Clone ID: 700953668H1

<400> 21670  
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 ttggaggacc tgggggatgg accttcaaca ctaatgcttg gcccaatgga aaaagattca 180  
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<400>	21672
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<210>	21673
<211>	249
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<400> 21673

9116







<213> Glycine max

<223> Clone ID: 700953680H1

<400> 21679

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 actccacggt cctctcatgt cgtttcgccg cggcgccgtg caaacgctcg tggtttcac 180  
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<210> 21680

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700953681H1

<400> 21680

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 tgctcgttggg agcgaacaag ttccccgaga gacagccgat tgggacggcg gcgcagagcc 120  
 aagacgacgg caaggactac caggagccgg cgccggcgcc gctgggtgac ccgacggagt 180  
 ttacgtcatg gtcgttttac agagcaggga tagcagagtt tgtggccact tttctgtttc 240  
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<211> 239

<212> DNA

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<223> Clone ID: 700953682H1

<400> 21681

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 cacagtgggtg tgggtgcgcgg tggcgggtgct attatgcgcc gcggccggtg cgtcgtgggt 120  
 ggaggaggcg gcgaacccga tacgaatggt gtctggcgtg gaggcggagg tggttcgggt 180  
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<210> 21682

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<400> 21682

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<400> 21683

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<400> 21684

9120

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aagtta 246

<210> 21685  
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<400> 21685

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tgactgtggt cgattgggta ccaactatta ttcaataggc tgtcagtaac gtaaaagtaa 120  
tccctgtgcc ccagccatgg ctgcaccgtt tttctcaacg ccctttcagc cttatgttta 180  
tcagagtccg caagatgcaa ttataccttt tcagatttta gggggtgaag ctcaagtgg 240  
tcagat 246

<210> 21686  
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<212> DNA  
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<223> Clone ID: 700953655H1

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aatattatth ttcttttttg ggtcgggtta gattttagaa tccttaccat gataaaaact 180  
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<223> Clone ID: 700953625H1

<400> 21687



<213> Glycine max

<223> Clone ID: 700953628H1

<400> 21690

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agtttccaat atcctcctcc ttgatacaac agctgctgga cgcagcattg gcgaaaactc 180  
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<210> 21691

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700953629H1

<400> 21691

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aggaagctct ggcattgtcaa gattcctgta tacgaacaat tttcaacgaa acttgatttc 180  
gtctggtggc aatgaatcgt attatgggta ttttaacagg agatcataca cttcacttta 240  
tatgggaact ggaactgtgg gtg 263

<210> 21692

<211> 265

<212> DNA

<213> Glycine max

<223> Clone ID: 700953631H1

<400> 21692

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gtgaattttt ctggataggt ggggttattgt gctgaagttt ataaagttta gtactttgaa 180  
agttgaaaca gatatgttgt gtgggtgaga aaaagcaaga tctggctgac acaattgggc 240  
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<210> 21693  
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 cccacaggaa tagtcctcca taactgcgag atcatgccgg accctaccct cttggcagac 180  
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 ccctgtccga gaaatcaagc ccaagaatag gagaatcatg ggtgctggag gccctgatga 180  
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002230-03200



ctcaccgcac ggatacttgc tgaaccgcgt cgccgagtag gccaccgccg cggctgctgc 180  
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<223> Clone ID: 700953637H1

<400> 21696

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 gaaggttcca tgctctcttt cgaggggtcag aagatccagg gctcccacaa catcgctcgc 180  
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<223> Clone ID: 700953638H1

<400> 21697

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 cgtgcacaga gtcaaaccac aagctcttct tttctctcca aaccataac aacaaaaaca 180  
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<223> Clone ID: 700953639H1

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taaagtggag gtcaaggctc ttgaaaagat acttgagcaa aaacaaaggt tacaggaaga 180  
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aaaaaagat 249

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<223> Clone ID: 700953640H1

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ctcattttcc tcttctttga attcaaaggg ctctagatgg atacagctga ccaaagaaaa 180  
ggcaagtatg ctccctaccag ggatacagag aaccactgt tgggaaaatt tgacaagccg 240  
cttccatgtt ttg 253

<210> 21700  
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<212> DNA  
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<223> Clone ID: 700953641H1

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aggaaggaat cccccggac cagcaacgtc tcattttcgc cggaagcaa cttgaggacg 180  
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<210> 21701

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 <223> Clone ID: 700953642H1  
  
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<210> 21702  
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 <223> Clone ID: 700953644H1  
  
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 cagcctcaca ctacatatata cacatatctg aacgcgtatc gtccctccta tggcttcaaa 180  
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<210> 21703  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953645H1  
  
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003600-036000

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<210> 21704  
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 <213> Glycine max

<223> Clone ID: 700953646H1

<400> 21704

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 ccgacaccat tgacaacgta aaagctaaga ttcaagacaa ggaagggatc ccacctgacc 180  
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 acatccaaaa ggaatcaac 259

<210> 21705  
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 <213> Glycine max

<223> Clone ID: 700953647H1

<400> 21705

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<223> Clone ID: 700953648H1

<400> 21706

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 ccatcgattt cttggacctc catgacttct ttgtctaccc atcacaccta tagccgaaag 180

caaaaatctc tcggcctcct ctgcaccaat tttctgagtt tgtacaacaa agaaggtgtg 240  
cgcttggtcg gtctcgatga cgc 263

<210> 21707  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953649H1

<400> 21707

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ttcctcgcaa aaatTTTTgt ggaaaaaata ttgagagttc aaccacatgt gaagaacctt 180  
taccttcttt tgagagccag agatactgac tctgctactc aacgtttaca tactgagatc 240  
atagggcagg 250

<210> 21708  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953650H1

<400> 21708

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tcgtacaaga ggtcaacaag aaaatcaatg gctctatagc aagaccaga aggaacttgg 180  
gctacctctc atgtggtagt ggcaaccca tcgatgattg ttggacgtgt gacccaact 240  
gggagcagaa c 251

<210> 21709  
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<223> Clone ID: 700953651H1

<400> 21709

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 tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180  
 aagctctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240  
 catggcgaa 249

<210> 21710  
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<223> Clone ID: 700953652H1

<400> 21710

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 ctgacgtcct tcaacacatt acataactct gcacctcct ctgttttcaa acacatatat 180  
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 ttttgaaa 248

<210> 21711  
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<223> Clone ID: 700953654H1

<400> 21711

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 atttgtaaga tatatatata tatatatatg ctcatggggtt ttcttcacaa gctttgggac 180  
 gaaacgctgg cgggtccggc accggaaacg ggtctgggga agctccgaaa gtacaattcg 240  
 ttctccggcg 250

<210> 21712  
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095311-032200



<213> Glycine max

<223> Clone ID: 700953586H1

<400> 21715

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acagcttttag attctcaaac aattaaggaa atcagttatg gctccttcta ggaaatctag 120  
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<210> 21716

<211> 231

<212> DNA

<213> Glycine max

<223> Clone ID: 700953587H1

<400> 21716

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caatagcact cctggtggcg ttactatctc gtactcgtcg aagagcacc tacccaccag 180  
gcccaaaggg tttaccaatc ataggaaaca tgттаатgat ggagcagcta a 231

<210> 21717

<211> 228

<212> DNA

<213> Glycine max

<223> Clone ID: 700953589H1

<400> 21717

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gcaagccgtg tcatgcaatg atgtttctgt gaacctagca ccgtgcctat cttacctgat 180  
gcagggtgga gatgttccag aatcgtgctg tagcggagtg aggaacat 228

<210> 21718

<211> 225

<212> DNA

<213> Glycine max



<223> Clone ID: 700953591H1

<400> 21718

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ctctccgata atggactcca acgagtcctt cccttcagc ttccccaagt ttaactcoga 180  
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<210> 21719

<211> 232

<212> DNA

<213> Glycine max

<223> Clone ID: 700953595H1

<400> 21719

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gacttctgag taatgcatgg acggcagaga taggaattgt tttggctatt aaattacttt 180  
cttttgaggt ttatgactgt gttgggtttt cactatgagt ggtgttccta ag 232

<210> 21720

<211> 234

<212> DNA

<213> Glycine max

<223> Clone ID: 700953596H1

<400> 21720

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aaacagagag gaagatgaac aagggtcagg gtcaaaggca tcggttactg gttctgtgtt 180  
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<210> 21721

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700953601H1

<400> 21721

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ctcataaatg ttgacaaaat cctcatgaat ttaaaagttt ggcttagtggtg tgcgggttaca 180  
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aaggatttgt tgacgatagg ca 262

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<211> 275

<212> DNA

<213> Glycine max

<223> Clone ID: 700953602H1

<400> 21722

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ctgttcatgg ttcacctgtg aatgcaaagt ggaagcaaga aaattctgct aatgggtgatt 240  
atacagttga ggatgaatcc tatgcacaca gtgaa 275

<210> 21723

<211> 272

<212> DNA

<213> Glycine max

<223> Clone ID: 700953603H1

<400> 21723

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aaaaacatcg gcattgtcgc catgcacatg cagcttctcc acaacgaccg cgtcatcatc 180  
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aaccctaaacg agttgggtcgt caaacgacgac tg 272

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<223> Clone ID: 700953604H1

<400> 21724

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 ccaccattcc caccattggg tttaatgtgg aaactgtgga atataagaac atcagcttca 240  
 ctgtctggga tgt 253

<210> 21725  
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<223> Clone ID: 700953605H1

<400> 21725

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<210> 21726  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953606H1

<400> 21726

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 ctgaagagat cacaaaagaa gaatatgctg ctttctacaa gagtcttacc aatgattggg 180  
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tctttatccc caagagg

257

<210> 21727  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953607H1

<400> 21727

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atctgatcag caaatttgag aattcagttt gggaagggcc attcctcttt agtgcaaaac 180  
agatcgaggc tgcctttgtg ctgatggcca ctaatgaaaa tcttccacca aatgtaatta 240  
agcaacttgc caaggag 257

<210> 21728  
<211> 259  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953608H1

<400> 21728

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caaaatagca ctggcaggga actcaacaag gacaatgact ccatggagaa gaggagaaag 180  
agggtgagtg gaagaagctg gaagggtgaag ataaaggact tcattgactc acagatgagg 240  
aagctggtgg agaagcaag 259

<210> 21729  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953612H1

<400> 21729

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0953113-03000

gccttgaccg agccagagct tcgtcttggc cctcgatttt gccctgtaaa actaatccca 120  
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 cgatgcgaac tgtgcgacct aatggaggag tacggccaaa tctcgttgt aaactccgac 240  
 aacgtgggat cgaaccagct c 261

<210> 21730  
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 <212> DNA  
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<223> Clone ID: 700953613H1

<400> 21730

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 gtttccttaa cgacataaaa ttctttttac cggtaccatt atgattgcaa agataatgtt 180  
 ttgggtctcg aacatgagac attcaaaaaa aagaggaaaa aaaaaaaaaa aaaaaaaaaa 240  
 gaggga 246

<210> 21731  
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 <212> DNA  
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<223> Clone ID: 700953615H1

<400> 21731

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 aatgtattgt cagcagccaa aattgcgaag aagatgaagt taaaatttac taaagcatgg 180  
 attgcatatc ttagattgcc tcttccacat gatgtttaca aagaggttct tgtttgtctt 240  
 caccaagcag ttattcctca tctatct 267

<210> 21732  
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<223> Clone ID: 700953616H1

<400> 21732

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ccctctcgcc cccaacacac acctcttctt tttaagggtt tatcttaaac caggattttt 120  
ggcactaatt tctctatggg agaagcacca gcattgcttg ttgatgacgt gcaggatggg 180  
gctctgaatg gccttgaatt gaaaaatgga acttgcaaaa caactgctac tgttggcgat 240  
aagatgtatg tcattggtgg agctgat 267

<210> 21733

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700953617H1

<400> 21733

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agacagcata tacaaggat ttgacctaaa aaactataca atgctgtact ctatttctga 180  
taaaaatgtc caagagatta agatcaggta atttttctta ccgtgcttgt attattttta 240  
cttttagaaa acacttc 257

<210> 21734

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700953619H1

<400> 21734

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cgacaatgga gcagaagagg agcagcaaga tgtacaacct gttcgtgaag cacttggacg 120  
ggaaaaccct aacctccta ttccctctc cgatcctcta cgcgagttcc atcaaggatc 180  
gcctcttcca actcactgga atccccgcc accaccagcg cctcgtcacc ggctgtcnag 240  
cactcaacga tgac 254

<210> 21735  
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<223> Clone ID: 700953621H1

<400> 21735

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 aggggctgct taaattttca gccttttgga gaaagagaca ttactcacat actcactcac 180  
 caccgagatc catttttttg cgaagaaagt tgaagaaaaa aatggaaaca atgttgccctc 240  
 cgaaccaagc agagga 256

<210> 21736  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953582H1

<400> 21736

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 agcatgaaag ctgtgggcag tgcaccccat gcagagaggg gactgggttg ctttggacga 180  
 tcatggaaag aatgaaagtt gggaatgcca agttagaaga aattggtatg cttcaggagt 240  
 tgactactc 249

<210> 21737  
 <211> 254  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953622H1

<400> 21737

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agaggaggaa ctcttcccat caaccccagg aaagttcaag atcgagcggg cccaccacat 180  
 gaaccgcaa ctctatcgct gtttcgcctc caccagcacc atgttcctgt gggccctctt 240  
 cttaatcgcc ctca 254

<210> 21738  
 <211> 251  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953623H1

<400> 21738

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 aaattttatt tgtgaatcat aagaaaatga aaaaaaaaaat catgagaaac ataattttgt 120  
 gcctccaaat aaagatatct ctactttaaa ttttttaaga aatatactta aggtattggg 180  
 tagtatttcc cttatctata tatgccatca tgccagccat gtgacttggt gacattggta 240  
 tagtttggtg t 251

<210> 21739  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953548H1

<400> 21739

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 gctgctaata gactcgccca tcatgccatc aaacttggtg gcattggctt tggagcctct 120  
 tttttcgag gatttgctgc cattgctgcg actcaaccg gggatttggg atcgtacaaa 180  
 acgggtaacc aatattctca cagcacttac tcattccata catttccttc agcttgcctt 240  
 ca 242

<210> 21740  
 <211> 249  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953549H1



<400> 21740

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aacaccacgc aaacagcaag atggccactt ccgacagtaa catgctacta aattatgttc 120

cagtttatgt gatgctccca ctcgaggttg tcaatgttga caatgttttt gaagaccag 180

atggccttaa agaacagctc ttgcagcttc tagctgcggg tgttcgatgg gcggattctc 240

aagtgggaa 249

<210> 21741

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953550H1

<400> 21741

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tcagcttctg cagattagct ggaagaaata aagaaagaaa aagataacaa aagttgttca 120

aaggccatgg atgttgcaca ttttttgttt ggaatctttg ggaatgcttc cgctctgttc 180

ctcttcttgg ctccagtgat cacattcaag aggattataa agaacagatc cacagagaag 240

ttc 243

<210> 21742

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953551H1

<400> 21742

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accacatcca ataatccaga tgtttgggtt cctgcataca agtcgtcacg ttggtattgc 120

ctgtttttcg tactctttgt gctggtggga gtttactttg ttacaaactt gaccttgc 180

agtgaagccg cctcatgccg tttattcccc cttagattcc actggcagga tagatgatcc 240

tga 243

0953113-032200

<210> 21743  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953552H1

<400> 21743

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 ccaccgtgaa ttcaccttct taagctccgc ccacttctc gatcacatag atcctccttc 120  
 tatcaaagaa atggatttct tctcaacttc atcgctctgt gatcataaaa gtaacactag 180  
 tagccgtgat accaatgatg gtcattatga gaatcgtgat gatcaacatg aactcatg 239

<210> 21744  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953554H1

<400> 21744

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 acatgacaaa acacgcttct tctaatcaa tctcttttgc tactttgact caccaatata 120  
 aatatcaatt ataaattgcc ggcgtccattg cttcatttca ctctttctct tctcacatag 180  
 ggtcatgagc tccggcgtgc gctcgtgtcc gccgtcggac agggcggcgc tgctggca 238

<210> 21745  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953555H1

<400> 21745

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 accattccat agccatgtct ggtgttggtc ctctttctca ggattgggaa cctgtcgtcc 120  
 tccgcaagaa ggctcccacc gccgcccca agaaggacga gaaagccgtc aacgccgcc 180  
 gccgctctgg cgccgaaatc gaaaccctaa aaaagtataa tgctgggaca aacaaa 236

<210> 21746  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953556H1  
  
 <400> 21746  
  
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 tgggaacggc attaatgatt atctggttcc cagagatcag gatttattgg acaggcatcc 120  
 ttcaccagac tattgggtcaa actggggaat aagtgcact gaaggtttta attcacctaa 180  
 aaatcttttt atcatggatt tctttgaaga aagattcaat aatcaaattg agcttg 236

<210> 21747  
 <211> 234  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953558H1  
  
 <400> 21747  
  
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 gaaaggacta tgggtacttgc acgacaaggc caatccttca gtcataatcc gggacttgaa 120  
 atccgccaac atcttgctgg ataatgataa caatgcaaaa ctatctgatt atggactggc 180  
 caaacttgct ggtaaagata agacgaacat cgtaccaaca agagttatgg gaaa 234

<210> 21748  
 <211> 207  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953559H1  
  
 <400> 21748  
  
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 accaacgatt ctcttctcaa agtaatagag agatcttttt ctgggttagac ttctatcaat 120  
 gcaatgaaag aaccatccct tcctatttct ttgtcctgtc agaaatagaa taagacccaa 180  
 aagagccctt ctttaccact ttagggg 207

00330-ET-550

<210> 21749  
 <211> 238  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953561H1

<400> 21749

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 ctagtgatgc cctcatgcaa agatactatg gatttgtctg ctgctgcaac aactgcctcc 120  
 cccgtctttg ttgctgctcc agcagagaaa ggccattttc ttatagactt tctcatggga 180  
 ggtgtttcag cagctgtctc aaaaactgct gctgctccca ttgaacgtgt taagcttt 238

<210> 21750  
 <211> 236  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953562H1

<400> 21750

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 attctattat tatatatggc ttcttcacct tcctcagaaa acaaaaacct agagggagta 120  
 gctggtggtg ccggagagaa acccattcca cttggtgaga acgttctgca gaagcatgct 180  
 gcattctttg acttgaataa agatggtgtc atctacccat gggagacttt taaagg 236

<210> 21751  
 <211> 235  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953563H1

<400> 21751

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 atacagatgc ttcctcctgg tgaatggcat tgtcaaaatt tacaggtgca atttggacaa 120  
 tgccattcac caggaggaag catctatata tccaagcagc tctgatgaat ggcattgtcc 180  
 aaattgcacc tgtaaatttt gtggcatagc cagtggaaact tctgataaag atgat 235

<210> 21752  
 <211> 180  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953565H1  
  
 <400> 21752  
  
 aagccataga aattaagtgt tcatagaaga cattgattag aaagtatata taccaagggg 60  
 aagcagcaaa agaagcagca ccttaggacc agttgcaatc aacagttaag tggatatcttg 120  
 aggaactcca tgtttgagc cagaaaaagg ccaagatgct gggcctcttg tacatgattg 180

<210> 21753  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953566H1  
  
 <400> 21753  
  
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 ttagtcaccg ccatgctgta gttcacgac agacaacagg agagaaatat tgtccccttg 120  
 acaatgttat aatgaaccaa gatgaagaga tgtttacgt tagcaatagt tcactttctg 180  
 agattgggga cctaaaacgg attatccaaa cccaattggg aatcccgggt cacaaccaa 240  
 c 241

<210> 21754  
 <211> 178  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953567H1  
  
 <400> 21754  
  
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 tccaccgga gttgcaaat cttcggtggg taaacgcgc gttcacacgg aagctctatc 120  
 ttagaccttg acgtcaaact agctcattcc cttccaaact gttcattctc tttcattg 178

<210> 21755  
 <211> 76

003330-ETFE56

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953568H1  
 <400> 21755  
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 tggtatcttt gttcca 76  
 <210> 21756  
 <211> 236  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953569H1  
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 tcctaactgg tgtgacatgc ttcaatttgc attccctctc tgtagcagca gcatcagtga 120  
 tggaacgtgc tcgcaggcta gcaaaccgcg ccattctgag gcgtctgggtt tcagaggcaa 180  
 agcagcatca gaagaatgaa tccgtgctgc actcttccac ccccccatg ctgctc 236  
 <210> 21757  
 <211> 76  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953570H1  
 <400> 21757  
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 ctgcattaac aaacca 76  
 <210> 21758  
 <211> 216  
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 <213> Glycine max  
 <223> Clone ID: 700953571H1  
 <400> 21758  
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tagataactt atcacattat gcaggcagca gcaacaacac cactctatca actcgtgagc 120  
 ttcaagccaa agcttcaaac tttcccttca aaatctcaac tttgcccctt agggaccctt 180  
 ttctgcagac taggaatggc ttctgtttct gggttt 216

<210> 21759  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953572H1  
 <400> 21759

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 tgattagaag catgtttctt gaaaagggga taaatatact atgtttgggt accttgttga 120  
 aatgttatca tgtttggtat agagctattg cactacttta ctttggatcg gcagaaatgt 180  
 tgaggctcaa gttcctggta ctatcttctg gcactcaaga aaagagttag ct 232

<210> 21760  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953573H1  
 <400> 21760

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 cggcttctcc ggcgggggcag gcactgcctc caccgcgcc cctcgccttc actataacct 120  
 ctgggggtccg gtgggtgatc agccgggaac gccgtctagc agctccggtg gaggcgggtt 180  
 ccggcgggccg agtcagcagg gtttgtctct cagtctttca tcacagcaaa caa 233

<210> 21761  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953574H1  
 <400> 21761

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agcttttttt ccttgagcat cacaatcgga cacagaccct ctttaagaaaa aggaaaaaaaa 120  
 agccttatgt gaatgtgaca atggaagcta agcctcttcg aactgttccc tcttcacaca 180  
 acacttctgg tttctcactt tctcttccac tctctcttct ttagcccatc a 231

<210> 21762  
 <211> 219  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953547H1

<400> 21762

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 ctcaaaatac tagattttcg attcgtttgg tgaacggatt tttaggtgtg attattacgt 120  
 tttttttttg ttcaacaagc tatggaggtt tgggtgattg gaagctcaca agcgaatctg 180  
 ggcgctctg aattgccttc tagggaagtg ggatttgga 219

<210> 21763  
 <211> 227  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953576H1

<400> 21763

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 ccaatacatg ttgttctgat tgatgccaat agtggaagca ttgtaacatc tggacctgaa 180  
 tcctgtgtta aacttgatgt tgttgcctt gaaggtgatt ttaacaa 227

<210> 21764  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953577H1

<400> 21764

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tatttattga tattgggtta gtgttccgtg taccgcaccg agccttaata ggttgtttga 120  
gattctgtaa gtaactactc cgtgcttcaa ttggtcaaag taaatgaaat gaaacgttga 180  
tatcaatcac tttgtatata agaaatcatt agcaaaaatc ttaagaaaag aa 232

<210> 21765  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953579H1  
<400> 21765

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cagtgatcga tctcaagaag aaagactcaa aaaatggagg ggaatctaga gaagaagttg 120  
ctgagcaaag aggaagtgtc agaagaagat aatttatcat tggatgaagag ggtgtgggaa 180  
gagagcaaag agatgtggat agtggcagca ccagccatat tcacaagggt tacga 235

<210> 21766  
<211> 221  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953580H1  
<400> 21766

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tgaagagtcc cttgaattca aacaagaatg gttacaaatg aaggatatgt atcacaatct 120  
tagccaaaat cttgaagagg tgacaagcaa aacaattcca ttccaacttg atggagaata 180  
tgcagttttc tcaaatacag agcaaagaaa tcatccaacc a 221

<210> 21767  
<211> 179  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953581H1  
<400> 21767

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005341-0300

ggcaccacgc agcatgaaga tcaagggtgt agcaccacct gagagaaaat acagtgtctg 120  
 gatcggtggt tctatcttgg catctcttag cacctttcag cagatgtgga ttgcaaagg 179

<210> 21768  
 <211> 244  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953508H1

<400> 21768

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 gatacgacgt cgtcgcttac cttacgagaa ttctgtgata ataagggtgc taataatagt 180  
 aaacctgcga aggagtcatt agcacctctg agtcgcatga attcccaaca gggttatagt 240  
 actt 244

<210> 21769  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953511H1

<400> 21769

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 gcgcgatcga ccaaggaacg agcagcagca ggttcataat atacgacgcg aagactggag 120  
 tagtaggatg ccaccacgtg gagttcaccc agttctaccc gcaagccggg tgggtggagc 180  
 atgaccccat ggagatcttg gagagtgtga aggtgtgcgt ggccaaggcc gtcgataag 239

<210> 21770  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953512H1

<400> 21770

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<400> 21773

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accaaaagaa gatatcatgt tggagaaaca acttttgaat gatgaaaagc aatgtgcaga 120

gcacgtaatg ctagttgatt tggggagaaa tgatgttgga aaggtctcca aaccgggttc 180

tgttcaagtt gaaaagctta tgaatattga gcgctattcc catgttatgc acatcagctc 240

aacagtcaca ggggag 256

<210> 21774

<211> 243

<212> DNA

<213> Glycine max

<223> Clone ID: 700953519H1

<400> 21774

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ggcaagattc gaacggcggg tcctggtggc ggtggacgaa ggcgaggaga gcatgtacgc 120

tctttcttgg agcctcagga acgtaatttt ccaaaatccc atatagtact tagttgcagc 180

ttttcaattc ttcttcttct catgagttct actctttctt ggaaagtgc tttgaattct 240

gtt 243

<210> 21775

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700953521H1

<400> 21775

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tcagatccat ccgacgtcgt ttcagtgata atggctccgt tcagcggcga tgagacggca 120

ccgtttttcg gcttccttag agccgcagct ccttttcttt tcggtcaatg ctagcgggtca 180

attttgtgga gtggctgaga tgaccggacg tgttgatttc aataaaagta tggatttctg 240

gc 242

<210> 21776  
 <211> 241  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953522H1  
  
 <400> 21776  
  
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 ttaaaatggg tgattaaaga gacttcactt ttgggattga gcgaatccaa gaagcttcta 180  
 gtacatgctt ctgattccaa tttaaattggg ggcttggaag ttcattccaaa acaaagttct 240  
 a 241

<210> 21777  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953523H1  
  
 <400> 21777  
  
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 cctcgacggc acgctcctca tcaccgtag ctggttcccg tacttcatgc tcgtcgccgt 180  
 cgaagccggc agcctcctcc gaggcctcat gctcctgg 218

<210> 21778  
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 <212> DNA  
 <213> Glycine max  
  
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 aagtagatat acttgacagg tttgaatagt agggaaatggg ttatgctgca gttgaagttg 180  
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 <213> Glycine max

<223> Clone ID: 700953533H1

<400> 21782

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 ctaagatata gagggatgca agaatttgat cac 153

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<223> Clone ID: 700953534H1

<400> 21783

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 gatgctcaga attcgtagcc gcgatggcct ggatcgagtt agcttcgaaa aatctcgggg 180  
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<210> 21784  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953536H1

<400> 21784

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 tatagcgggt ttctgaaaga atccccctggg atcagcaacg tctcatcttc gccggaaagc 180  
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243

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<212> DNA  
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<223> Clone ID: 700953537H1

<400> 21785

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cagtgatgga acgtgctcgc aggctagcaa acc 153

<210> 21786  
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<212> DNA  
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<223> Clone ID: 700953538H1

<400> 21786

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catggctatg gaacggacca gtcgatatgg gacaaaatac atcctttgggt tcttgcttta 180  
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<210> 21787  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953539H1

<400> 21787

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tattggagaa aatttgtgtt gaggcaaatt ttgtttcctt gcattatcac ctcatgacga 180  
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<210> 21788  
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 <213> Glycine max

<223> Clone ID: 700953540H1

<400> 21788

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 cttatgccac aaattcagct gaaaacaact ttgttctactg ccttgtgaac cattctgagc 180  
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<210> 21789  
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 <213> Glycine max

<223> Clone ID: 700953541H1

<400> 21789

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 ctctcttttc aagccttaaa tgagtaaaaa agagtgaaga caggaaagaa aggagcacca 180  
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<210> 21790  
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<223> Clone ID: 700953542H1

<400> 21790

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 agaaattgtg aagctatact gttgtaattg tcatgtaaat tggtcccttt ttcattctac 180

ttgatttggt aaactccggt tacttgtatc caaataagat gggccatttg tattgc 236

<210> 21791  
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<223> Clone ID: 700953544H1

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gtttgaagaa gctgacgagg ctgtcgacga gagttccaac ctcgaccaat ccatgtgcga 180  
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<223> Clone ID: 700953545H1

<400> 21792

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tttccaatc cttttcgga aaaaaaaaaag ttcactttct attttgccc ctttttgtgg 180  
ttctgaaac gcgttaaggg ttctgtttgt gttattgggt caataatggg gtctctg 236

<210> 21793  
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<212> DNA  
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<223> Clone ID: 700953507H1

<400> 21793

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tcagatacgg ttttcccgaa gatatcaggt tccctactgt tcgtgaggct gcatctagta 180

aagacaaaat tacagagaat gctagcaaaa ataggctgaa gaagagaatt ttggctgaca 240  
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<210> 21794  
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 <212> DNA  
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<223> Clone ID: 700953546H1

<400> 21794

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 ccctcacccc taactccaaa ccattttcca tttccgcgct tttcctcaaa acaacgctgt 180  
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<210> 21795  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953472H1

<400> 21795

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 cttcctcctg cgatcgcccc aaggtatata ccaatgcctc aagttotaat ttaaaatcca 180  
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<210> 21796  
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<223> Clone ID: 700953474H1

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<210> 21797  
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<223> Clone ID: 700953475H1

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 aagaacttct cagctatggt ggagttggtg gttttccggg attgggaaca atggactgcc 180  
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<223> Clone ID: 700953477H1

<400> 21798

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 acttagtaga aagagcgtgc gaagaggggtg gggagaagat ttagtggtgt ggccatggcg 180  
 gagtctgaga agagtactgt gcttggttacg ggagccggtg gtcgcacagg acaaatagtt 240

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 <213> Glycine max

<223> Clone ID: 700953478H1



<223> Clone ID: 700953481H1

<400> 21802

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tactattaac tgcctgagca gtatcttaat aagttaatag accaattcaa tgaatattat 180  
attagtgaca gtgttagcag atctgctcag ctgtggaatg atcagaggaa gttgatactg 240  
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<210> 21803

<211> 173

<212> DNA

<213> Glycine max

<223> Clone ID: 700953482H1

<400> 21803

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<210> 21804

<211> 241

<212> DNA

<213> Glycine max

<223> Clone ID: 700953483H1

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cccactcttc gcttcagttg gtgtggctgt tggaatctgc ggtatgcaac ttgttaggaa 180  
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<210> 21805

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<212> DNA  
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 tcctggcaat actttatctt gtccggtttt cgaccgcg gcggagtaga attcgccgcc 180  
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 <223> Clone ID: 700953487H1  
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 ttcatctgc ccttttctca gagagagcaa cgaggcttta tagttaaatc tgatgctgaa 180  
 gattgaggaa cttaaagttt gaagtttgag gagtgtttgt gattacaaag aatatggatc 240  
 aaa 243

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 gtttactata atatgaccac tcttttcttc ctcttcttca acttcaatac tcacctttga 180  
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 gaaggaagag gaggagaagg tggatatata tatatatatt tttctttctg tttattt 237

<210> 21812  
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 acactttccc acgaatgttt cagagggctg gttcagctca gtttagaagg cctctccttc 180  
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<210> 21816  
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<210> 21817  
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<223> Clone ID: 700953503H1

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<223> Clone ID: 700953504H1

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<223> Clone ID: 700953505H1

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<223> Clone ID: 700953471H1

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<223> Clone ID: 700953506H1

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 aaa 243

<210> 21822  
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<212> DNA  
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<210> 21823  
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<210> 21824  
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<223> Clone ID: 700953447H1

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 ta 242

<210> 21826  
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<223> Clone ID: 700953448H1

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<210> 21827  
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<223> Clone ID: 700953449H1

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<223> Clone ID: 700953453H1

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 tatggtgccc gtactccgga ggtgaaatgc gcaagttgga ggcttgctgt ggaagcacac 180  
 aacatctttg gctttgagac cattcctgaa gagtgcgttg aagcaacaaa ggaatacatc 240  
 catggcga 248

<210> 21832  
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<223> Clone ID: 700953454H1

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 ggtgctggag ttttgcttgc agctcttttc taagggtgtca atgatatgag gtgtaaaaaag 180  
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 tccctcttcc aaaaaagtta ctctaacgct aaagggttct gcttctcgg ttctaccag 180  
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<210> 21834  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953456H1  
  
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 acttttctcc aagaagaagc cagctccacc tccaaagaaa aagcctgccg ctgtatcccc 180  
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 tctcttgac cg 252

<210> 21835  
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 <223> Clone ID: 700953458H1  
  
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 gggacatttc atgtggagga caaaccagtg gatgctgtgt cctttgcagc taatggtaat 180

gtggaagagg tgggtactttc tcctgaaaat ggaaatgtgg agttgtctta tccagacttg 240  
gtaaaa 246

<210> 21836  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953459H1

<400> 21836

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gaagaagcgt cggaaccatg cacaaaattg aaggaacaaa tgaaacattc tgcagctata 180  
gttcagatgt tgtcactggt tatggagtgg gcgctttcct gtttcttctt tctggtgaat 240  
cac 243

<210> 21837  
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<212> DNA  
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<223> Clone ID: 700953460H1

<400> 21837

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atgctccac tcggagtgt caatgttgac aatgtttttg aagaccaga tggccttaaa 180  
gaacagctct tgcagcttcg agctgcgggt gttgacgggg ttatggttga tgtgtggtgg 240  
ggga 244

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<223> Clone ID: 700953461H1

<400> 21838



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 attttgcattg ctacctgaca actaagaaac gtgctgctgt cctataattt gaactactta 180  
 tcactgtcaa ttaattcaga gttcagcaga gtgcccäaac atgctgaaaa agggaaatgg 240  
 ggtgcctgct tatt 254

<210> 21842  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953465H1

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 tggtttctact tggagctacc tgtgctctgt gctgttctat gttcatgggtg tttgtcactt 180  
 tgagtttggc tggggacata gtacaccctg atagtattgc tcccagaagg cctggctgtg 240  
 acaacaactt tg 252

<210> 21843  
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 <212> DNA  
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<223> Clone ID: 700953466H1

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 cagccagcac gaagacaagg agacgattgg ctgctcagaa gaaagctgtg aagatattcc 180  
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<210> 21844  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953467H1

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gtgtccggtg atgatcgctc tcgagagagg ctggtgttgt tgttcttctt cgacgtcatg 180  
gttttgttct gagattctgc tcactttcac caaaacggct ttactatgta ccgcgtttcg 240  
ctttcgtgt 249

<210> 21845  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953468H1

<400> 21845

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ctggtggtgg tcgcgtcgcc gacttcgagc ctggcgaaact ccaccgtgat cccctcctc 180  
cttattcccg ctccgatcga tatcccgatg aacctgctct gatgttgctt gcaagatctt 240  
gg 242

<210> 21846  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953469H1

<400> 21846

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aatcgaaaat ataatagaat agaaatagaa ctgtcttttc atatagatat cccttcaaca 180  
caacataggt catcgaaagg atctcgaaga cccaccaacg cacgaaagcc gggatctttc 240

agaaaatg

248

<210> 21847  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953442H1

<400> 21847

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cccatagtgg acatgccaga atcttcgcca tgcattgacgt ggacgtcact atcatcacca 180  
ccacgtccaa cgccgcgctt ttccaaagct ccatcagtcg cggtcaaaac atcaggacgc 240  
atgtcatgaa 250

<210> 21848  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953414H1

<400> 21848

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gcggaagatg ttattcctaa acggaaatgg aagctcaaatt ctgaaattgc agttgattct 180  
gaactgatga cattgttgca gaaagactca aatagagaag aaaaaattgc tgcaaatgag 240  
ttttttctta 250

<210> 21849  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953415H1

<400> 21849

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aaccgtcaag taacattctc aaaacgcaga agtgggttgc tgaagaaggc ctttgagctt 120  
 tctgtgctat gtgacgctga agttgccctt atcatctttt ctagccgtgg caagcttttt 180  
 cagtacagca gcactgatat taacaaaatc attgagaggt atcgccaatg tcgttacagc 240  
 aagtc 245

<210> 21850  
 <211> 253  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953416H1

<400> 21850

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 gcagaaactt ccttatctga aagctgtgat tttggaaggc ttgaggcgac acccgccagg 120  
 acactttgtt ttgccgatg cgtcactgag gacgtagttt ttaatgatta tttggtccct 180  
 aagaatggga cggatgaattt catggtggct gagatgggtt gggaccctaa ggtatgggag 240  
 gatccaatgg cat 253

<210> 21851  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953417H1

<400> 21851

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 tatgcgctgg aatatttaat gacctaggaa gtggaagtaa tgttgacgtt tgtgtgataa 180  
 ccaagggaca caaggaatat ctgaggaacc accttctacc aaatcctcgt acctatgtca 240  
 atccaaaagg ctttgatt 258

<210> 21852  
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 <212> DNA  
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<223> Clone ID: 700953419H1

<400> 21852

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gagatctgat ctcttgatcc acaaaaccat ggctgaaaag gtgaccatca tgaaactcaa 120  
ggttgacctt gagtgtgaga aatgctacaa gaagggttaag aaacttctcg gcaagtaccc 180  
tcaaattcgg gaccagaagt tcgatgagaa ggaaaacatt gtgttcatca cagtgggtgtg 240  
ttgtagcccc gagaag 256

<210> 21853

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953420H1

<400> 21853

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tgtcttcggc gttatgggca caatcatctc ctttggagtg ttccttgctc cattgccaac 180  
cttttaccaa atctacaaga agaaatccac tgaaggtttc cagtcacttc cttatgttgt 240  
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<210> 21854

<211> 253

<212> DNA

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<223> Clone ID: 700953421H1

<400> 21854

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gttgcaaggt tacaagatgg aggatcaaaa tgcacatctt aatggattgg gcaagggtgtt 120  
ccacaagggt aagccctact tgctatgatg tcccttcagt ttggctactc cggaatgtac 180  
atcatcacca tggtttcttt caagcatggc atgagccatt gggctactctc cgtgtaccgt 240  
catatagttg cca 253



<210> 21855  
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<223> Clone ID: 700953422H1

<400> 21855

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 taggcactgg aatattcaac ggtgatttga agttagtac tcagcagcaa tttgaagtac 180  
 aggatcaagc acgccaccgt tctcatgact ctgggcacca acattctttg agactaccac 240  
 cttcgagtcc ctat 254

<210> 21856  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953423H1

<400> 21856

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 aattgaagaa gatgccgatc agaaacatcg ccgtcggaag gcctgaagag gcgactcacc 120  
 ccgacacggt gaaggcggtt tggctgagtt catctcaacc ttcattcttcg tgttcgccgg 180  
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<210> 21857  
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<223> Clone ID: 700953424H1

<400> 21857

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<400> 21860  
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agtccaccac caaaccaagc ctccatatt ccctaccac aaacactggt acgactcctc 180  
cctctcttcc atttccacca ccgcttctgt tatacacacc tacgacaccg tttttcatgg 240  
cttctcc 247

<210> 21861  
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<212> DNA  
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<223> Clone ID: 700953429H1

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ctgttcaccc ccgatcacg atcctcaacc ttcagatctc aatcgcgta ccctgttga 180  
tgatgcactt ggtgaggagt ttcagaacaa gttggatttg aaggatgggg gtgagagtga 240  
gaataat 247

<210> 21862  
<211> 244  
<212> DNA  
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<223> Clone ID: 700953430H1

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tgtggttttc tttctcgaa tcgaactaag atgcgtgaga ttcttcacat ccaggagggg 120  
caatgcggga acagatcgga gccaaagtctt gggaggtggt gtgcgcggac acgggatcga 180  
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caat 244

<210> 21863  
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<223> Clone ID: 700953431H1

<400> 21863

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 ttactgtttc 190

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<223> Clone ID: 700953432H1

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 atttttattt tctagt 136

<210> 21865  
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<400> 21865

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 ttggaggcat caatcgctag gaacttcctt gacaatggaa tcatttggtg catgagtcac 180  
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<223> . Clone ID: 700953435H1

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<223> Clone ID: 700953437H1

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91,35

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<223> Clone ID: 700953438H1

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 gaagtttact ggaagtcggt gcttcctact acgccaatgc caaaagccat cactgatatc 180  
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<223> Clone ID: 700953439H1

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 ccgag 125

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<223> Clone ID: 700953440H1

<400> 21871

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 accctccgtc tctccgacga ttgctgggcc gcaatctttc atttctgag caccgccgat 180  
 cggaacggtt gctctctggt ctgccgccg tggtccgcg tcgacggcca gaggcggcac 240  
 cgtctctccc tca 253

<210> 21872  
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<223> Clone ID: 700953441H1

<400> 21872

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 gcctgcatgg ctctctctcc gctcccagtt cctaggccaa gacaccctca ctcatctcta 180  
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 atttgacatg ct 252

<210> 21873  
 <211> 232  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953412H1

<400> 21873

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 ttctccgatg ggctcaattg catggagcat atgtcttct acgttatata ggccgagttg 180  
 ccagccttcc caatttctat gggcaaaatg cattagaatc tagccagatg ga 232

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 <213> Glycine max

<223> Clone ID: 700953372H1

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 ttgtgcttcg ggatcattta catgttatct tgagggagag aaagtacatt cagatgggtga 180  
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<223> Clone ID: 700953373H1

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 aaagtctaag catcttcttc cttgttgtca tgcattgctg atggaatcga cgacgcaaaa 180  
 gaacaaaagc aaaaagtcatt cgttgttgat gcgtctaaac ccgttatggg cttcgacgac 240  
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 <212> DNA  
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<223> Clone ID: 700953374H1

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 gggaagaaa cagcatcgta ttcattgatgt tgccctcat catatccata aggtggaagt 180  
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 actgttgaga cctt 254

<210> 21877



<211> 255  
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 <213> Glycine max  
  
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 ctttgctgct atgatcttgg cactcattgc catttccatg cttcaaacag tggttatggc 180  
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<210> 21878  
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 <212> DNA  
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 ccagagaaaa atgcttttga atgggtaca tctttgaaag cccctcacac agaggatgca 180  
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 cacctgatgc tcaaaa 256

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 <212> DNA  
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 <223> Clone ID: 700953378H1  
  
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 gagcgctacg aggagatggg ggagttcatg gagaaggctc ccgcctccgc cgagagcgag 180



ttagattgcg tgaataacgc gacgctgtta accttgttct cgggaaaata ccatgtacaa 60  
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 aattgtttca tccctcgcaa tttcttatgg gatggtaatt tcaggccacac gggcctgggc 180  
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<210> 21883  
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<223> Clone ID: 700953384H1

<400> 21883

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<223> Clone ID: 700953385H1

<400> 21884

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 gaaaggaaag agaatcgcca tcattggcgt ctcaacctta ttgttggtgg ctatggttgt 180  
 ggcggtcaca attgggggtca atctcaatga 210

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 <212> DNA  
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<223> Clone ID: 700953386H1

<400> 21885

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taataatggg ttcttcttct cctccggaca ctagcaagag cataaagcta gagcgataca 120  
acagctacat caggagactc aacagcacca aactcctcaa cgctcctcc aaactcctct 180  
tccgtgccac tatcttagtc gcactcatcc tcgtctctc ttcacettca actaccctcc 240  
cctcgcccca gactt 255

<210> 21886  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953388H1

<400> 21886

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attctaatac acaattgcaa aatacagaat gaaaaaggaa taattaattt gtagctttga 180  
aaacaaagtt acttttgaac tttcccaatt gaaattatac atccacttaa ttggtttggt 240  
tcaagttggt atatt 255

<210> 21887  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953390H1

<400> 21887

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tctcaaattc tgggtttcaa gtttatttgc tacagcaaaa tgactagtac agaggaaaag 180  
cctgtgactg tgagtgagga acatgatgca agtcttgcag aagaacagtt tctcttccag 240  
ttcaaaaggt tga 253

<210> 21888  
<211> 253  
<212> DNA  
<213> Glycine max

[illegible]

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gcaagatgat	tctatactct	taacagatgc	cttgacaggg	aatttttcta	aggaaccatc	180
aatggtggat	aaagctcaat	cggtgcatga	tttcattacc	catcatcata	ctctaggaag	240
tctccacaac	aaq					253

<210>	21889
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<212>	DNA
<213>	Glycine max

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tgttcttgac tctacaacca aaaaactggc tgggatacta tgatagattt tgaagggatc    180
atttcagctg ttgagtgttt gttattgtga tttatttctt atttctgcc aatgcagcta    240
gttcggttcc agt                                     253
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<210>	21890
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<212>	DNA
<213>	Glycine max

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<223>      unsure at all n locations
<223>      Clone ID: 700953396H1
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tcaaatacat	catcatcggg	gacaccggag	ttgggaagtc	ttgtcttcta	cttcaattca		180
cagacaagcg	ctttcagccc	gtccatgact	tgaccacggt	gttgaatttg	gtgccangat		240
gatcacaatt	gataac						256

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<223> Clone ID: 700953402H1

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 ttggaggtgg ccatctgcgt ttgaagttgc aattcatcct tagtgatgaa gagcgcgaca 180  
 gaattcgttc attgagacaa tctgcattaa agaaaaaaca tgatgagctt cttagttcca 240  
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<210> 21892  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953403H1

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 ccagtcgggt tcgttcaagg agagaccaac gtggttggcg acctccccga ggcgcagaag 180  
 aaagcccttg atgagctcaa gaagcttggc caagaagcgc tcaacaacca tgagctaact 240  
 gctccaagc cagaaccgga 260

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 <213> Glycine max

<223> Clone ID: 700953404H1

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gctgaaaggc aactttcaaa gaaggaatta aagaaaaagg ggcttgaaga acttgaagct 180  
gttttggtg agctaggata cacacgagag gaaccactg gtcaagaaga tgattccaat 240  
ggtgctgaga agaaagaag 259

<210> 21894  
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<213> Glycine max

<223> Clone ID: 700953406H1

<400> 21894

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tatcatgaaa ttagtcaacg tggggcaagg acttgtagc ttctgaagtg aaagagttgt 180  
tatttgaac aaaattaaat gacacaaata tcaaagagga acagatagca gacatgttaa 240  
aagtttttga ccgaa 255

<210> 21895  
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<213> Glycine max

<223> Clone ID: 700953407H1

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tttcatttac tggaagttca aggttggctt gatgggtccag caaacagtta atgagagatt 180  
tggcaaatgc ttgcttgagt taagtggtaa caatgcaata attgtcatgg atgatgcaga 240  
catcaaattg gctgtacg 258

<210> 21896  
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<223> Clone ID: 700953408H1

<400> 21896

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 aaaaattggg gttaggtttg ataatcaatt ccagatggaa atgatcttgg tggcctttgc 180  
 gaagatgacc atgggttctt ctgttctgca aatcatttac tacaagtaga cggctctgga 240  
 ggggatgatc ttgacaa 257

<210> 21897

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953409H1

<400> 21897

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 caacgtggat gggaagcaga gataatgttc gctatgacct ccatcaaggg tattggaagg 180  
 agattcgcca acatcgcttg caagaaggcc gatgttgaca tgaacaaaag ggctggtgag 240  
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<210> 21898

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700953410H1

<400> 21898

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 tccatgtggc aggggtgcaat cactgtggct ccatgcatag ggtacctaag gggctcctgg 180  
 ggaggtgtcc ctgcaccatg ctgcaatggg gtttaagagca taaacaacca agccaaaacc 240  
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 <213> Glycine max  
  
 <223> Clone ID: 700953371H1  
  
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 ttactacctt aaaatttttt ctaacatttg tactttcttt tcttttgtgt tgggtgtttt 180  
 tgaaaacagc agcaagttca gaactttgga catccttttt attggttatc catgaggggtg 240  
 agacattaac tgaagt 256

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 <213> Glycine max  
  
 <223> Clone ID: 700953338H1  
  
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 ggtgaggatg gggatgggtt ctggtttctg tgacgagggg catttgcggt attaccagga 180  
 caccaaaaag gttctcacc caaagaagaa gttgaagctc tcaagggttt ctccaaatta 240  
 gggcttgcac cggtatcccg 259

<210> 21901  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953339H1  
  
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 tattattttt ttttgttctt ttcttatcct gaggttcagt tatttcgtgt aaatctcaga 180

catgcaagca atttgaattg aaaaaataat ccgggatctt tagattctct tctctctcat 240  
catcttcggt ctttgctgaa t 261

<210> 21902  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953340H1

<400> 21902

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tttgagcaa taagcgacag acacaactac ttctaccacc aaggacgcga caagttcttc 180  
gcgacgagga ttgaaaaaca caactccacc gtgatccgaa caacatgcct ccggggccct 240  
tcattctctc ggaccctcgt 260

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<213> Glycine max

<223> Clone ID: 700953342H1

<400> 21903

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ctaagtcatg ctcttgccca tactcttgcc cttgctcacg aaataccaac ccaattcatt 180  
ggaaagattc tataaaaaatc aaggtaatgg tgaacaaatc aataataaga ttgtgttggc 240  
cgaagcagat ggagattttg t 261

<210> 21904  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953347H1

<400> 21904



<212> DNA  
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<223> Clone ID: 700953351H1

<400> 21907

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attcttgtaa cagtccgagc aagtcacctc tcaaagctaa tgagtgcctt caacgtgaga 180  
gttaacaagc agaagattgt gtaatctgtt gccgacattt gtctgtaaag gttgccgggg 240  
gtgacttatt atgtga 256

<210> 21908  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953352H1

<400> 21908

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tgttatgtct cagatgatgg tgcagctatg ctgacatttg aagccatttc agagacttca 180  
gagtttgcaa gaaagtgggt tccgttctgt aagaagttaa cattgaacct cgggctcctg 240  
agtgggtattt tgctcaaa 258

<210> 21909  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953354H1

<400> 21909

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gcagcaacaa ctcaagtttc agggaaatgaa gagctgccaa agacaaacct aaatgggcat 180  
gatgaagaag caaaattcgg attttttcat cataaaccat attcaagaaa catattccaa 240

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ttccagtata taaacctg 258

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<213> Glycine max

<223> Clone ID: 700953355H1

<400> 21910

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<210> 21911  
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<223> Clone ID: 700953356H1

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tatttctctt ggtttgataa caggatttgg cacaagcgtt gtggtctccc catttcagga 180

gaatcatcac tcattgccat aatatagagc ttgttaaaac aaaagacaga aaagtgaagt 240

gttttgagat ctggcatg 258

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<223> Clone ID: 700953357H1

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tcaagctcga gaacttatgc atgatgctgt tcgtgtaatt gttggcagaa agaatatggc 180

ttctgaaaca ataaagcaaa aattggtttt tactggaatg aagaaggaaa acttctagca 240

attcgtcaaa gctttg 256

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 cactggttct tctgtcactt ctgttaatcc ttctaacaat cagagcatag ctcaagtgc 180  
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 tcttctccag gaggtaccct gttcctctgt atcttcagca aatgagagtt caataacaat 180

gtctgtgccca ctgggaaatc catgtgcctt caaggagata caccttccgt gaaagaggta 240  
atagcacgag atg 253

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<223> Clone ID: 700953362H1

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cgacggtggc aacatcgtaa ttgtccgcgg cactgtcgag ccaagtccgc cgtcgaaggc 240  
ggcacctgga aaaccctga 259

<210> 21917  
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<223> Clone ID: 700953363H1

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tttcaatatt tccaatttta agattccaaa cacacccccc ctctctcttt tttttatccc 180  
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<212> DNA  
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<223> Clone ID: 700953364H1

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 gattggacag agtcacccta ctggtctcac agcgaatttg ttgaggctct ttgagcctag 180  
 gcctgccttg gactataagc ctctccgga gaaaagaaat gccatcgcta ataggcacia 240  
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<210> 21919  
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<223> Clone ID: 700953365H1

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 attctactac aagtcagatg cagcaattca acaagacccc gaactccaag cttggtggaa 180  
 agaacttgtc caagtgggtc atggtgattt gaaagataag catggtggca aaagatgcaa 240  
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<223> unsure at all n locations

<223> Clone ID: 700953366H1

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 gtggaaagaa tgcataacca tttaacggct gctgtagttt caaatgattc tgagggtgctc 180  
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<210> 21921



<211> 258  
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 <223> Clone ID: 700953367H1  
  
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 aatcaatgat atagaattct aatatgtaaa ggtctatggg ttatctcata aaaggtagt 180  
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 caaccttcac caactccaca actcatcccc acatctctgc ctatggcaac tcgccaaact 180  
 ccacggtcct ctcatgtcgt ttgcgctcgg cgccgtgaaa ccgtcgtggg ttcatcggcc 240  
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 aatgatggca tgcaaagtat tctccctgct atcttagcag aaagaataat attaactgag 180

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tttgaataat ttgaggacta aatcatacac ccaaataaat caggggtcaa aattaccagc 240  
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<223> Clone ID: 700953337H1

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cgatccttga tcgaaatcct cgccaggtaa gagttattgg ttattagtgg caagtcacaa 180  
ttctttgcaa cctgttcttt atattattct atttatcttc ctactcctta aatttcgcct 240  
gtctaaattc caaagtaac 259

<210> 21925  
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<213> Glycine max

<223> Clone ID: 700953370H1

<400> 21925

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aaattcctcg tgacagatct aatctaataa ggcttatggg ggtgtttcag acattgcatg 180  
catatgggag cagtggttgt gttggatgct ataaaagcct acactgagtg ctactgtgga 240  
tgtgccatcg aaaggg 256

<210> 21926  
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<213> Glycine max

<223> Clone ID: 700953294H1

<400> 21926

00330-ET-50

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 ccagtacggt gacagttcgt tctccgttgg ctacttcagc cgcgagcggc tctccgtgac 120  
 cgccaccgac atcgtcgaca acttcctctt cggttgcggc caaaacaacc agggcctctt 180  
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 cgccgccgta tategtaaaa tcttc 265

<210> 21927  
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<223> Clone ID: 700953295H1

<400> 21927

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 tctttttgac cataaatgct gtcattgtgg tcttctatgg ccttctcttc aaggactact 180  
 acatcgcaact cccaaataact cttgggtttc tatteggcat aatccagatg gtgctgtatt 240  
 tgatttatag aaacgccaag ccacaaggat ta 272

<210> 21928  
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 <213> Glycine max

<223> Clone ID: 700953296H1

<400> 21928

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 atgaagctgg ttcacgagtc cggcttcaac atgcacagtt acctgaagaa gcaagagaac 180  
 ttgacaagga ggtgaggcag attattaagg agaaagaaga agctgttcgc aaccaagact 240  
 ttgaaaaggc tggagagcta cgtgatagag aga 273

<210> 21929  
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 <212> DNA

<213> Glycine max  
 <223> Clone ID: 700953301H1  
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 ctttctaatt ttgaactttc gatcatggat ttatttaaaa ttctttaatt tgccgacata 180  
 tcgtgaacga ttgtggaatc agtgattttt ttccatcaat ccatggaatt cgtctgaatc 240  
 catgttagca ttcggttttc a 261

<210> 21930  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953305H1  
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 tcaagaccct caacggaaag a 81

<210> 21931  
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 <212> DNA  
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 <223> Clone ID: 700953306H1  
 <400> 21931  
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 tgaagaaata accgaacttt ggaaggaaaa acacaacccc atatgatgca acgcttggtt 180  
 gatcatgttc ttgctgttac taaagagtca ttgaaggcaa ttactatgag tccttaaata 240  
 atattgtgag gctaataaac ggagt 265

<210> 21932  
 <211> 81  
 <212> DNA



09311-0360  
00360-0360

<213> Glycine max

<223> Clone ID: 700953314H1

<400> 21935

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ggcaatgggtg aagtctccca agaagcaagt gaacctcttc tattcccttg actgtgaaga 120  
ccttgcccag aacgttgctc ttcaatcacc ccacatcggt ctccagaaca tcaaatggag 180  
gtcatttgct gatggatttc caaatatata tataaataat gcagaaaact tcgaggtcaa 240  
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<210> 21936

<211> 267

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<223> Clone ID: 700953315H1

<400> 21936

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tagaatcaag gcatggccag agaggatatcc aggtgcagcg tcagatgtaa gcttcagtga 120  
cattatcatg aaagatgtca aaaatcctat catcattgac caagagtatg aatgttatcc 180  
agactgcaaa aagaagccgt cacttgtna gtcctaaaat attcattctc aaatataagg 240  
ggaactacaa tttcaccact tgcagtg 267

<210> 21937

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700953316H1

<400> 21937

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gacagaggag ctctcgttga gttctatgct ccttggtgtg gacactgcaa aaagcttgct 180  
ccagaatatg aaaagcttgg tagcagcttc aagaaagcca aatctgttta attggcaagg 240

ttgattgtga tgagcataag agtttgt

267

<210> 21938  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953317H1

<400> 21938

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tcaccggcaa gaccatcacc cttgaggtgg aaagctctga caccatcgac aacgtcaagg 120  
ccaagatcca ggacaaggaa ggaatcccc cggaccagca acgtctcatt ttcgccggaa 180  
agcaacttga ggacggccgt acccttgctg actacaacat tcagaaggga gtactcttca 240  
cctcgctctc cgtctccgtg gtggcatgc 269

<210> 21939  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953318H1

<400> 21939

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gctagagtgc cattctgtgg tttctttctt tctttcttct tgcattcacat cacaatttgc 120  
attgcctcgt gtcctttttc ttctttgctc tccaaaaatc tcacacacac aggtatctag 180  
caaatggggt ctcaccaaca agaaccatgg ctattggaga atgggaacca agggttttga 240  
ccaaggagac caggcatggc cgttct 266

<210> 21940  
<211> 260  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953320H1

<400> 21940

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120  
aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180  
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgaca acggcgccgc 240  
cactcccgcc ggcctcatct 260

<210> 21941  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953321H1

<400> 21941

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caaaagctaa caccaactat aggccaaatc accaataaat attatttccc gttcttttgg 120  
cgtgttgccc acccactgaa cacatttgca ctcacacata gaagcagaga gaggccattg 180  
gttggtttca gagatgggaa gcatgcacat agaaacccca gaacttttgc tgatggtagc 240  
aaaaacttcg atgatgatgg ac 262

<210> 21942  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953322H1

<400> 21942

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120  
aggctactca ccccgacacg ttgaaggcgg gggttggtga gttcatctcc accttgatct 180  
tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgaca acggcgccgc 240  
cactcccgcc ggcctcatct ccg 263

<210> 21943  
<211> 262  
<212> DNA  
<213> Glycine max



<223> Clone ID: 700953323H1

<400> 21943

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tcccagtgca ggattcagcc acttcgttcc cattatccac ttctcaaaac aactcgttga 120  
gcttcacca gaaattcacg tagcatgcat cattcccata ctaggggtctc tcccaagtgc 180  
cgcaaaaccc attctccaaa cccttcacaa aaacataaac acgctttcct tccaccggtg 240  
aaccctaatag agctaccaca ag 262

<210> 21944

<211> 263

<212> DNA

<213> Glycine max

<223> Clone ID: 700953325H1

<400> 21944

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atgtgcacca atagcaataa taagaatcat ctctcacttc tccattaaaa ttaaaatcca 120  
atctaatactg ggtttccctt tctcccatca gaggacaaag cttccaactt tgcgggattc 180  
gtatttggtg tttcagtgtc gtgatgggga aggtcgcggt ggggctgcgg ttgtctgcgc 240  
cgccgccgtc tgcgctacgg cgg 263

<210> 21945

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700953326H1

<400> 21945

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ctgcttttaa gactatgtgg caaggcatgg atggactaag aggtccaggt ctttctggca 120  
gcggcaatta cttaagtaga agtgctttac tatttggaag tccaaaccaa aaagacgact 180  
atctgaagga tgcacaaaag tactttggca agtctaccgc atcattgaat cactgaaggc 240  
catccgtgga cagaaaagta gc 262

<210> 21946  
 <211> 261  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953329H1  
  
 <400> 21946  
  
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 ccataaagaa gctcacagta tcaagccttg tcaagtctca agaagatttt gaaagagaag 120  
 tgaagaaatt aggaaaaatc agacaccaaa acctcgttga acttgagggt tattattgga 180  
 ctccatcact gcagctcctc atatatgagt atctctctgg tggagtctct ataagcatct 240  
 ccatgaagga tctggtggaa a 261

<210> 21947  
 <211> 265  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953331H1  
  
 <400> 21947  
  
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 tcatgagtgt gctctagcaa gaaccctgga ctctggctat cacattcaac gaagactgct 120  
 gttgactggt accccaattc agaacagttt gcaggaatta tggtcctgc tcaattttct 180  
 ctttcaaac attttcaatt cagttcagaa tttcgaggac tggttaatgc tccctttgca 240  
 gaccgagtgg atgtctctct aactg 265

<210> 21948  
 <211> 73  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953332H1  
  
 <400> 21948  
  
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 aggtcgcggc ctt 73

002220-03000

<210> 21949  
 <211> 175  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953333H1  
  
 <400> 21949  
  
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 gaataataat ctgagacgac caacctcagc ctcttaccat gagtaagcta caaagtgatg 120  
 cactgagaga ggcaatttcc caggtggtga gtaattcaaa ggggaaaaat cgtaa 175

<210> 21950  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953293H1  
  
 <400> 21950  
  
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 ggaggggtcag catgaggaag accgtcacca agcaggcctc ctccggaagc ccatggtacg 180  
 gccagaccg cgtcaagtac ttggggcccat tctctggcga gccccgtcc tacctcactg 240  
 gcgagttccc aggtgactac ggctgggaca 270

<210> 21951  
 <211> 262  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953334H1  
  
 <400> 21951  
  
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 tcactcccca ccttttgaat tcaagggttt gagcaaggag gaggaagact cattgctagg 180  
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262

<400> 21952

<400>	21953
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<400> 21954

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caaaatgccg gccgtttatg gagctcgctt gaccaccttc gaagactccg agaaggagag 120

tgac

124

<210> 21955  
<211> 203  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953261H1

<400> 21955

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tttccttcaa ggaggtcggt acactattgg aggcatacac tatgttgatg attctgatac 120  
gcttggtcct gcaggggaca ctgagtttgc caaagctgct tcctttggct acaaattctt 180  
aaacctgcgt gattgggtag agg 203

<210> 21956  
<211> 277  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953263H1

<400> 21956

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gctgaaagaa ctgaaggaat ctactattga actggcttca agtcaaggat atattgatgc 120  
ccctgttgat gaggttgtct ttgatgtgaa taaggatgtg gatgaccttt tgccagtga 180  
agttaaagaa cagcgcttca gcaatctact gcaggcattg atgggtgcgg cttgtgttgc 240  
tgctatgccc gttttgaaga agataccaac ttcagtg 277

<210> 21957  
<211> 180  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953265H1

<400> 21957

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aagtaatcgt cctgttattg tgattaagat attttagatg aatttgagga aatattttct 120

tctctaaatt aattttgaac atattacagg ataaaaaaga aaaaaaaaaa agggggggccg 180

<210> 21958  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953267H1

<400> 21958

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cgtacaatta gacttcaaaa ttctgggtcca gttatcaatg gcaaacagag atatgctgtc 120

aatagtgtgt ccttcatacc tgctgataca ccacttaaac tggctgatta ctacaagatc 180

caaggggtgt tctcccttgg aagtatccct gactaccca ctggtagtgg tggctacctt 240

caaacttctg tcatggaagc cgatttccga 270

<210> 21959  
<211> 88  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953268H1

<400> 21959

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ttcgggtctc tcggagtacc ctgggtgg 88

<210> 21960  
<211> 266  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953270H1

<400> 21960

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tccaagtcac attctcaact agactatcct tccacttgat caagccttgt caggctgtag 120

caccatttt gtgacacttc tttggcctaa aacggcctct ggttcaatgt cagtattagt 180

tggaattacc ttaacttagc ctttcttaat tgtaagacgt gaaaaattgg atggattgaa 240



ctgcaattcg tgtgcggtgga aaggttcgag aatgggttcg ctggaggaat ctgctctaa 120  
 ttcgagccgt ttcccccttg cgaggagtta ccagtaccac tcttcggttt cgtccaaaac 180  
 gcagcgtcac atcggaaggt ccatgcgcac gatacgtcc agtttcttcc aggacgacaa 240  
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<210> 21964  
 <211> 266  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953276H1

<400> 21964

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 cgctctctca ccattgaagt cattgtttgc gtcgtggggg ttgtgagggc atattcgtgt 180  
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 agcttgaagg gggtgttttg gtgcat 266

<210> 21965  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953278H1

<400> 21965

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 tttttcagca ccaaagtttg aaacttttct caattgggtt gaggagagtt tgactcaa 180  
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 tcttgttgat gtttgagatt catgtatccg a 271

<210> 21966  
 <211> 274  
 <212> DNA  
 <213> Glycine max



<223> Clone ID: 700953279H1

<400> 21966

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acggctctgaa aaatccactt gtcttgatga gttatgtaag tccagtaatg gcagcagcaa 120  
ctgcccttct ttctcttgca ttagatccat gggatgaatt ccgagaaaac aagtactttg 180  
ataattcatt gcatattact cgaagttgct tgctgatgct tcttggtggc acattgcctt 240  
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<210> 21967

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700953280H1

<400> 21967

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aaggtttctca aaactccatg attattcaga ttctctcaaa aacagtacca agcaatagtc 120  
ccctacttga tcaaccacaca ggagtggacc tctctcagag tctctacaag accctgttta 180  
ggcttggggtt ggaacaacat caaaaaaaga aaggagagac tttctttctc tttttagat 240  
cgagatcgta gaaattaaga gaggcataga tagagggtg 278

<210> 21968

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700953281H1

<400> 21968

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tccatggtgg tggagtgttt cttttcgagt tatgcaggat gtgggagtag tgatgtttcc 120  
attactgagc tctgcaaact ttaggcttga tttgctatag attatcatgt ttattgatag 180  
atatcatcaa atggatgatt aagttggatt taccatgcct ataatagat gataagtaga 240  
ctaattaaag ctgcatgcaa ttattttattg 270

<210> 21969  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953283H1

<400> 21969

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 aagcattgag caatgtcaaa gctgttcattg ttgcaacagg agattacacg acctttgtag 120  
 tgtctgatga tggatgatgtg tattcatttg gctgtggaca atctgctagt cttgggcata 180  
 atgctgctgg aaatgatgag cagggcaaca ggcattgcaa agtggttagat ccagagcttg 240  
 tcacttcact gaaacagatc aatga 265

<210> 21970  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953284H1

<400> 21970

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 cacttgatg tggaagaaag tagcaccgtc tcttctccac tttagctaaa ctcccgaac 120  
 gcagctgcgc cactcgTTtc tctggcctcg ccgtgattgc taccactccg ttcgcttcat 180  
 ccatgtgctg ttgtatgggt tgaacgagga agataagaaa ttgcttcggg aatggagtgg 240  
 gacagcaatt ccgatctgag cggggac 267

<210> 21971  
 <211> 269  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953285H1

<400> 21971

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tgctcgtgaa gcttcaattt atacaggaat cacattagct gagtatttca gagatatggg 180  
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 ctctggacga ctggcagaaa tgcctgcag 269

<210> 21972  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953286H1

<400> 21972

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 aagcaacaat cttcatcaat atactcatct tgttcacctc agctcactcc ttccttcac 180  
 ttctgcagc tcttctgcc aaggtccgaa aagaaaagca tcattagaag tggtacacaa 240  
 acatgggcca tgctcccaac tgaata 266

<210> 21973  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953287H1

<400> 21973

cacatccatc ttgcttctt gcatgttggt tctctgtaaa cagatactgc aaaagaagaa 60  
 taatattgaa tatttggttg ggttgaatcc ctgggttgat gcgttgacga catcacggct 120  
 attctaagag tgtctctctc tctcattcat gtcccaactg tacgacggag gacaggttgc 180  
 gtaactgcc ccaacccttc gccgcacggg gggcgtgggt ctttgcttc tgaaggtgg 240  
 agcccttcag acttgctctt cttag 265

<210> 21974  
 <211> 267  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953288H1

<400> 21974  
 gtccttcgtc agttaactgt gggctaataca cagttcagga agcccaaaac tattaaagta 60  
 tgtatatctg ctctctctttt ttgttttgac tgagcatagt attcaactca aagatgatca 120  
 ctgtttcttt ctttctctat atctcaaaaa ggaaaccgac aacacaaagg atttgcagaa 180  
 agtgcagcta cttagttcca ttttcatect ctctccattg actttcagtc aaaacaaaac 240  
 aaaacctctt taggtgtgag attccac 267

<210> 21975  
 <211> 265  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953291H1

<400> 21975  
 gttttcttac ttttcctatc tcattttcttc tctattctct cttcatgtca aaatatttgt 60  
 caacagagta ccatgcatgt tttcaccatc tttgaatata agaaaattat atatttttgt 120  
 gacttttgtt tcctaaaagc acaaaaaataa taacaaagta attaaaaaaa cttataacat 180  
 gtgaatgaga taaggggaaaa ttattagaat ttttcttttt tacctataaa aacacttaag 240  
 aagaaacaat aaaaaaagta aataa 265

<210> 21976  
 <211> 264  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953292H1

<400> 21976  
 ctactttctc tctcttttga acttgtaagc atggagtcct caaagatcta tgcttacctc 60  
 ttcttttgca tgctcttctt ctctctcgcc actcccatc tcggttggtg ctactgtggc 120  
 aaacccccca aaaagcacia gcttggtaaa acaccaaaga caccacagt acccgttggt 180  
 aagccaccag tcacaatccc tcccattggt aagccaccag tcacaatccc tcccattggt 240  
 aatccaccag tcacaatccc tccc 264

<210> 21977  
<211> 122  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953257H1

<400> 21977

gttaaattta cctgcgaatc ttgggttcac tccaagtatg ataaccctgc taagagagtg 60  
tttttctcca acaagtcata ttgcatct gaaacaccag aaggagtga gaggttaaga 120  
ga 122

<210> 21978  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953231H1

<400> 21978

ctcgactcg cactgcagc cgcattctc cgtcttctc ctgggtccga cccctcaaac 60  
gctccaaaac cgccgacaaa ctctacaaaa aatacgtcct ctctacaaa ctcaaataat 120  
acatccccat gcatccaata accaatttca ttgctgatt cattgatata tacctataga 180  
aattggaaaa aatgtctcag atcttggcac cgttccagtt actggaactg aacgtgattt 240  
ccgcccagga cctggctcct ctgggtcgca acatgcgtac ct 282

<210> 21979  
<211> 281  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953232H1

<400> 21979

cgttagtcac gaataataat ttaccatgaa tacttggcta gtagtatact aggggttcaa 60  
attcaaacta tttcaattag gaggatctca actcaactca tgtttttatt aggactgttt 120  
catattaata ctgttaaagt ttgaattaat tttacctgt ccaaccgcta tatagataaa 180  
ataggttacc aaaacaaaat gtaagtttag gacacaatcc aactgtacct cactcacatc 240  
agattgatca cttttttttc ttaaaaaaaaa actttgatta t 281

<210> 21980  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953233H1

<400> 21980

gcgagatggg gttctgggtc atgggtaatg gtaatggatt gcagaagcta aaatcactta 60  
 cagttgcatc ttgcaaagga gtaacagata ttgggcttga agctgtagga aagggttgtc 120  
 caaatctgaa aattgcacac ctccacaagt gtgcatttct gtcagacaat gggttgatgt 180  
 cattcgccaa ggctgcttca tcaattgaaa gcctacgatt ggaagagtgc cacagaatta 240  
 cccaacttgg gtttttttgt gtccttttta actgtggtgc aaa 283

<210> 21981  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953234H1

<400> 21981

gccaatattgg tgcttattca tcagctcagc ctaagttgat aacagttgac tcagaagagg 60  
 tagaattcaa gtatgaggaa gaatctggat tgggtgactat tgatttgaga gtacctgaga 120  
 aagagttata ccaatggagc atttctattg atttttgaat cagagacttt gtctcaagat 180  
 gaaggggttt agagttatag acttgatgta tccatagttc gcaacaatat gatgagcgta 240  
 tgtagaccaa tggcaggaaa tgttagaggt tccctgt 277

<210> 21982  
 <211> 276  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953235H1

<400> 21982

cttcaaaaca ctcataacac aaagcacaaa gcaaagctca tcctatgagt taaaaaatgg 60  
 cagcagcttc ttccatggct ctctcatccc catccttggc tggcaaggcc gtgaagctgg 120









<210> 21991  
 <211> 276  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953245H1  
  
 <400> 21991  
  
 aaaaaacttc ttcttgttct gttgtgtcca tatgttatat tttattttat gatatacata 60  
 gaagcttggt cttctgatct aattttatga gatcaagtgt tggttctttc tccatctagt 120  
 actattattt tccccctgta atatatatat atatatatta ttctaattaa actaattcac 180  
 aggctacttg atccgtttgt tttgaagaag atcatcgctt gtttttggtt aactgtttta 240  
 tccaaatcca gtttcatttt acgtgatccg ttaaat 276

<210> 21992  
 <211> 278  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953246H1  
  
 <400> 21992  
  
 aaagagaatc cgaggcgaag agaagagaaa aattgagatg gaggggaagg agcaggatgt 60  
 gtcgctggga gcgaacaagt tcccggagag acagccgatt gggacggcgg cgacagagcca 120  
 agacgacggc aaggactacc aggagccggc gccggcgcca ctgggtgacc cgacggagtt 180  
 tacgtcatgg tccttttaca gagcagggat agcagagttt gtggccactt ttctgtttct 240  
 atacatcact gtcttaaccg tcatgggagt cgccgggg 278

<210> 21993  
 <211> 281  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953248H1  
  
 <400> 21993  
  
 gtttttgcatt ttgtctgggt ctatattgta agaattatgg catcagagga gacaacaatt 60  
 tggaaggcaa tgataaaaac tccagcctcc atagtgttga taatttacac cttcatatca 120

atgtggtttg taggtggtct cactgccttc catttgtatt tgataagtac caatcagact 180  
 acatatgaaa acttcagata ccgatatgat cggcgagcca atccatataa taaaggagt 240  
 ttgaataatt tcaaagagat attctgcac agcattcccc t 281

<210> 21994  
 <211> 277  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953249H1

<400> 21994

gtaataaggg tcaatttact tcatcaaaga atcaggatgg aactaatagt tggggttcag 60  
 atcaagagtc agggcaggat gctgttcaat ctgaaacctt gtgcacacat tgtggaataa 120  
 gttcaaaatc cactccaatg atgcgtaggg ggccatctgg tccaagggtca ctttgcaatg 180  
 cttgtgggct tttttgggca aataggggca ctttgaggga tctttctaag agaaaccagg 240  
 aacactctct tgcaccacct gagcagggtg atgaggg 277

<210> 21995  
 <211> 275  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953250H1

<400> 21995

attttggttc atttttatct tttttgtgaa attagaacag ctaaaatttt ggctatagat 60  
 tactttggct cttagaaatt agaataatac tatcaaaaca tttcttttct gtatacttac 120  
 gcctggactt ttgaactggt tcaaagccca catggtgcat agaaaccaag atgttcaagc 180  
 agcacaagct tgggtatatgg gagctgttaa tttctttatt gttcctctga cagtttggca 240  
 tcagaaaatt tatgatataa gtctgggtgga cttgg 275

<210> 21996  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953251H1

<400> 21996  
 atcattcaaa agtttttgaa atgttggtcac cccttcttct atttctatgc ctaactcttc 60  
 ctttgttttt gttgtccttc ttcacatacc gtaaaacctt caagaatcca ccacttccac 120  
 caggtcctag aggccttccc ataataggga atcttcatca actagatagt ccttctcttc 180  
 atgagcagct atggcatctc tcaaagaaat atggtccttt attttccctt caatttgat 240  
 taaggccagc catagttggt tcctctccaa a 271

<210> 21997  
 <211> 273  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953252H1

<400> 21997  
 tgcttaatgg ttaagactta agaagagtag ttagttagta gtaattttgt tcttgtcttt 60  
 gtctcattgg actcaacaga gagaacgatc tttgcgtttc cgtgtctcca agtcctctgt 120  
 ttacactgct tgcgcgatac ttcattttct gaatataaat acgcaactca attaccaac 180  
 ccaactttct tttctttgac aaaaaaata aaaatccac ttccttttct ttcttttttt 240  
 gttctttggt ttttgtttga taagaaactg cga 273

<210> 21998  
 <211> 186  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953254H1

<400> 21998  
 gccttggggc gtttcttgct gctagtgcc cagttggtag aagagcctat ggaggccact 60  
 taagcagaaa gtgctttcaa aagcaacttc acttccactc acgttggtgt gctttctctt 120  
 cattcatatg ttctgcaact atatcagtga tgccagaatt agaagagaag caagtgtttg 180  
 atggag 186

<210> 21999  
 <211> 268





<210> 22005  
<211> 279  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953205H1

<400> 22005

gcgagacaga ggaacccacg gttccagaaa acctcttgct gctgaactca agtataacat 60  
tgatgagcgc acgcgctttc ttggccgcgt gaggagtacc gtccgtcaga agcgaatata 120  
gcgaacgcat aaccgaagcc tccttgcca gaacaccggt cacttccgca ccaacattaa 180  
cacagagagc cagcaaaatg gacgcacagt actccttccc tgagcgcgaa gtagcagatt 240  
gcaaaatctt agccaccaa ggcaacgcct ctgctcgta 279

<210> 22006  
<211> 276  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953207H1

<400> 22006

atcgaaaccc tcgatttccg catccgcac gaggtcacg tcatccaacc gtgcctctcc 60  
gcacggttac ttgctgaacc gcgtcgccga atacgtaca gcggcgccgg ctgctaccgc 120  
tcctccctct gctccgcctc cgggcaagaa ggaggttagc ggcgacggg aagatcaccg 180  
atgagttcac cgggacaggc tcgatcgggc aggtctgcca ggcatcggt gccgtcgctg 240  
atgtcagatt cgacgagggt ttgcctccga tcatga 276

<210> 22007  
<211> 278  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953208H1

<400> 22007

tcgagcattc ggttttgaat cttttgagcg aaaatgcagt cgagtccttt gtttctggag 60  
gaaccataa ggatggcctc catcctcgag ccatccaagc ctagtttctt tccagcgatg 120  
acaaagattg ttggcacact tggcccaaag tcacgatcgg ttgacgtgat ttcacaatgt 180





275

<400>            22011

<400>            22012

<400> 22013

9237

tcacatctttcc cctttccccc ctttcgcac ttcgtgtttt ttctttctctc tcacttttgc 120  
 ttctttcttca tttcttcacg at 142

<210> 22014  
 <211> 284  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953216H1

<400> 22014

ggaagaacca ccactacctt atccatttcc actcctcacc aagcgcacca tggcctcaac 60  
 caacgccctc tcttcagctt ccattctacg ctctcccaac cgccagtctc tgaccagaag 120  
 agcgaaccac aacggaagag taaattaccg tcaaccgaat agccgtttct ccgtaaagc 180  
 ctccgccaaa gagattgcct ttgaccagca ttcccgtctc gctatgcagg ccggcattga 240  
 caagctcgcc gacgccgtcg ggctcactct tgggccagg ggga 284

<210> 22015  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953217H1

<400> 22015

aagaaatggg tagtcttgaa gcggaaagaa caacagtagg attggcagca agagaccctt 60  
 cagggattct ctccccatac acctacaatc taagaaacac aggccctgat gatgtttaca 120  
 ttaaagttca ctactgtgga atttgccatt ctgatctcca ccagattaaa aatgatcttg 180  
 gcatgtccaa ctatcccatg gtcccaggac atgaagtggg tgggtgaggta ctggaggtgg 240  
 gatcaaacgt tagcagggtc agagtgggag agttggtggg agt 283

<210> 22016  
 <211> 280  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953218H1

<400> 22016



**DISCLAIMER**

<400> 22019

<210>	22020
<211>	275
<212>	DNA
<213>	Glycine max

<400>            22020

<210>	22021
<211>	277
<212>	DNA
<213>	Glycine max

<400>            22021

9240

ttgtgtatca tctgtgccat tagtttattt gatgttg

277

<210> 22022  
<211> 224  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953225H1

<400> 22022

ctctaagggtt gtatgcaaga tgaagctcac aaaggagcaa gttgctcagt tccgagaagc 60  
agttaagaag gactattatt tccagatgta ctatgatgac ttgccgatct ggggatttat 120  
tgggacgggtt gacaaggaag ggaaaactga ccctagtgag tacaagtatt ttctttacaa 180  
gcacattcag ttcgatattc attacaacaa agatcgagtc attg 224

<210> 22023  
<211> 274  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953226H1

<400> 22023

tgaagaattg agcaaactctg atgccactaa aaagttggaa ctgatggatg actttctgga 60  
ggtggagaaa ttggctcgggt tatcaaata tttcagtga gtttcagtta cttcaaacaa 120  
tatggcaaat gaaactgtga ccaatgatgt atcagaggtc agtactgaga aagatgttcc 180  
cttaacacc caagataata gtgagccaaa tccattgcct agtgagggtt cttctgctga 240  
ggaattgtca gcacctgatc cccaatctga tggt 274

<210> 22024  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953227H1

<400> 22024

cagaatgaag gtcacatca tcaattcatc atactcactg tcccaaattc ctcttgggtc 60  
ccaacccagt aactatgatt ccacggaaa ccgttaattt tgctcgaaat ttcgcagcta 120





<210> 22030  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953157H1

<400> 22030

acctacctct ttttcttctc tctcaacaac ttcaccttct tctctctcga tcatgtctca 60  
cttcaagggc aagtaccatg atgagcttat cgccaatgct gcgtacattg gcactcctgg 120  
aaaggggtatt cttgctgctg atgagtcaac agggacaatt ggcaagcgtt tggccagcat 180  
cagtgtagag aacattgaat ccaacaggcg agctcttagg gagctgcttt tcaactgctcc 240  
tggtggtt 247

<210> 22031  
<211> 244  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953158H1

<400> 22031

ggataactat tttgaggaag ctttgaagat gaggaacctt cttgaagaat ttcattctga 60  
tcatgggctt cgtcctcctt ctatacttgg tgtagagaa catgtcttca ccggcagtgt 120  
ctcatctcta gcgtcattta tgtccaatca agaaactagt tttgtgactt tagggcagcg 180  
agtttttagca aatccattga aggtccgcat gcactatggg catcctgatg tttttgatag 240  
aata 244

<210> 22032  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953159H1

<400> 22032

cggatattcg gcttgcccgg tgaagatgct cctactgagt cataaaatgc ctcagttgta 60  
caagccaaag tcttgctctg gagtaaacag ttgctacctg ctattgggtgc ttggtctaaa 120  
tatctatgat gagattggaa aagttaatga aggtagtggt ttctttgatt attcagtcctt 180



gctcctcaca tggcatgttg cgtatgtagg atggaacaaa tgtactttca ggctttgtgc 240  
agcaacatt 249

<210> 22033  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953163H1

<400> 22033

agttaagaaa gactcagaac tccaagcttg gtggaaggaa gctgttgaga agggtcacgg 60  
tgacttgaaa gacaagccat ggtggcctaa gttgaacact cttcaagatc tgattcacat 120  
ttgctgcatt attatatgga ctgcttcagc actccatgca gctgtgaatt tcggacaata 180  
cccttatggc ggtttcatcc taaatcgtcc aactctaacc agaagattgc tcccagagcc 240  
aggaacc 247

<210> 22034  
<211> 206  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953164H1

<400> 22034

ttctaaagaa atataactaa tattcttttag aataatcaaa aagaatatta aattcaaata 60  
aatttttagat agaaaaaaga cttaaaaagg aggatttgaa catgcgagat ctaaaaacat 120  
atctttccgt ggcaccagta gtaagtactc tatgggtcgg ggctttggcg ggtctcttaa 180  
tagagatcaa tcgtttttta ccagat 206

<210> 22035  
<211> 89  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953165H1

<400> 22035

gattttgagc actatggcat ccacacaatg cttcttgac caccatgccc tcaccactcc 60



<223> Clone ID: 700953171H1

<400> 22039

aaaccaaaca acttctaaca catacactac tctctctctc tctcttattg tatggccgcc 60  
aattccagta gccgagggat caccgcctta gggaagcgag tcgccaaccg gatctggact 120  
tccaacgcac ctctctcac ttcaaggagg ggagcatata gtagcggctc agtgtacgac 180  
aagaaccctg atgatgagat ccagtctggg cagggtcccag acgatgtgat ccaggcggca 240  
acacaatca 249

<210> 22040

<211> 92

<212> DNA

<213> Glycine max

<223> Clone ID: 700953173H1

<400> 22040

atctatcacc agaacaagca gcattagcaa ccaagcaaga gaatggcgac gacagctgcc 60  
ttgtgcgga ctatgatgag cagctccttc ct 92

<210> 22041

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953174H1

<400> 22041

gtgaggaagc ccctggacaa ccagttcaac acagtcaccg ccgacggaac atcccagaag 60  
aacatggcta caggaatcgt gatccagggt tgcaacatcg tcccagaagc cgaacttttc 120  
cctacaaggt tccaagtga gtcatacctt ggaaggccat ggaagcaatt ctcaaggacg 180  
gttgatgatg aatccaccgt ggggtgacttc cttcaccocg aaggatgggtg cccatggggc 240  
ggtgaa 246

<210> 22042

<211> 247

<212> DNA

<213> Glycine max





gctaccatca tatttcttaa gggggttgga gggattttgt ttgtgtttgg aagcacattt 180  
 ggatctttcc tactgctttt gcactctggcg attactactc cacttctgta cgatttctat 240  
 aa 242

<210> 22048  
 <211> 243  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953187H1

<400> 22048

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 taaaggagac aatcagacta gactgtctga aacagctgat cgatctgttc aggaagcttt 120  
 agaatccggt gctactcaac atgcaagtga tgatgacctt gtcgagagtt cttcagccat 180  
 tgcacctggg tatgtacca gtgaacttga tgaaagaatt gttcttgagc taccgtcatc 240  
 aat 243

<210> 22049  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953188H1

<400> 22049

ctttgtttgc ttctcaagtc tctcgaagcc tctttctctc tcttctagaa gctatctgtg 60  
 tttggtgtta ctaagtctcc aacaagcaaa gtacatgggtt gatttggaaa tccaggtccc 120  
 caccatcttc gaccgctttg ccgagggcgag agaatcggat gcccccgag caaaggagta 180  
 tgtgcatatt cgaattcagc agaggaatgg gaagaagagt ctgaccacag tgcaagggct 240  
 gaagaag 247

<210> 22050  
 <211> 245  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953191H1

002250-031650

<400> 22050

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 aaactcttct gttatgcagt gattggtgct cctcaaactt gtcctgctaa caatgaggat 120  
 aaatgcggcg attcagatga atggaaaggg gagtttttcc ctgacattcc caaaattaaa 180  
 tatgagggtc cgtcaagtaa gaatgtgctt tcattttaa ggtataatgc agaggaggaa 240  
 attct 245

<210> 22051

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953151H1

<400> 22051

aaagaaagag gtgaagtcaa atggtcctta gttctgggag tggtgatgct tgagtcttga 60  
 cggaacgaac ggaaaagggg atctcaatgg acaacaccaa gccccttattc gaactggaac 120  
 tcgacgatga tggcagaatc agaagaaccg ggaatgtgtg gactgctagc atacacatta 180  
 taacagtggg tgtaggggca ggggtgctgt ctttggcatg ggttatggca caactaggat 240  
 ggtagc 247

<210> 22052

<211> 117

<212> DNA

<213> Glycine max

<223> Clone ID: 700953192H1

<400> 22052

tctgggagtg ctttcgcagt tttcactcac tgttcagtag tagggttttt ctttatccct 60  
 ttttcttctc tcttctctct ttcaccactt ccacacaaca tacgagcaag cgaaagg 117

<210> 22053

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700953193H1





<210> 22056  
 <211> 249  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953118H1  
  
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<210> 22058  
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<213> Glycine max

<223> Clone ID: 700953122H1

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cacaaggcca acggtgccac gtgtcaccct gaggaagaag cgggcctgtt gggcttcaaa 180  
tccggtatcc gatccgaccc gtccggcctg ctcaagtaact ggatatcggg tacggactgc 240  
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<223> Clone ID: 700953123H1

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gatgagggcg ctgtttctgt tcttcgttct cttctctttc agctatgcca ccgaacaaat 180  
ctttcctgct catatcggtg gcattttcgg tgggtggcggg ggtggccgct ctccggaacc 240  
caaatacaag a 251

<210> 22061  
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<223> Clone ID: 700953124H1

<400> 22061

002230-032200

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<223> Clone ID: 700953125H1

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 ccgcgacaaa gaaagaccaa attgaaggta aaacagcaag gatttctgcc aagagtgaca 180  
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 tgttt 245

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<223> Clone ID: 700953126H1

<400> 22063

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 agtttcatca ttgtcatcaa ccattctcca tcattgtcgt gggtcatttt ccatcattgt 180  
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<210> 22064  
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<223> Clone ID: 700953127H1

<400> 22064

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gtgcttccta ctacgccaat gccaaaagcc atcactgata tcctttactc tgattgggtg 180

gaagagaaaa gcagctcagt gcatgttgga ggtggaggcg tgaacgtgca tacaggaaaa 240

ggaggtggca gt 252

<210> 22065

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953128H1

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tctcagctcc ctcggtacc ggcgcgtcgc tcccgatctc cgtggctacg gtgacaccga 180

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<210> 22066

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953129H1

<400> 22066

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agaggaaaca atattcttgt catttgatg gtgtacacc cagctggtga gccacttcca 180

accaacaaga ggtatggtgc tgccaaaatt ttcagtcacc ctgatgttgc tgctgaggaa 240

ccatggtatg gt 252

002220 "E" F F E S O

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 ggtccttctt ccgagccctc atcgccgagt tcgtcgccac cctcctcttc ctctacgtca 180  
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<210> 22068  
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 aagctcgtct ccgggaactc gctctccacg cggctgccgg aattctgcgc cgccgcgaac 240  
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<210> 22069  
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tcttcttccc cttctcttct ctcttgtttc tccgatgacc tccctcaact ccgacggcct 240  
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<210> 22070  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953137H1

<400> 22070

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tcattctctt ccttgtcact gatcgatcatg tacagagttg cagcatcatc attcagaagg 180  
catctcaagg gccatggagg taacttggga tccactaggt tttcaacttc agccgcggta 240  
gctgcaagg 249

<210> 22071  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953138H1

<400> 22071

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aatatctccg ttggcgagag tggagatcgt cttaccagag ccgctaaggt gttggaacag 180  
cttagtggcc aagcccctgt gttttccaaa gcaaggtaca cggttcgttc ctttgggatt 240  
agaagaaatg a 251

<210> 22072  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953139H1

<400> 22072

0022220"ETFE560



<212> DNA  
 <213> Glycine max

<223> Clone ID: 700953143H1

<400> 22075

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 gggtcgcata tttgaaggca aagagccgcc acagtttggt gctattttcc aaccaatggg 180  
 ggttctcaag ggaggggtca gctctggata caagaaacta atagcagaca aaggagtatc 240  
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<210> 22076  
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<223> Clone ID: 700953144H1

<400> 22076

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 ctaagagtgt ctcgctccct cattcatgtc cgatctgtac gacggaggac gggtagttgc 180  
 gtaactgccg ttaacccttc gccgcacggg gggcgtgggt ctttgccttc tgaaggtggg 240  
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<210> 22077  
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<223> Clone ID: 700953145H1

<400> 22077

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 cttaggggct tgctctataa tcaacaggtt taccctgatt gcaggagagt tgtttggcat 180  
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249

<210> 22078  
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<223> Clone ID: 700953146H1

<400> 22078

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cccgtggcca ctataccatt ggaaaggaga ttgttgagct ttgcttgac cgcatcagaa 180  
agcttgctga caactgcaca ggtctccaag gttttctggt tttcaatgct gtgggtgggg 240  
gaatggctct 250

<210> 22079  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953147H1

<400> 22079

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gatctttgtg gtaagcgagg cagagagagc agagagcacc gttcatacaa tctaagcaat 180  
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ctttgagaag agg 253

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953150H1

<400> 22080

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 tcgtcacagg ggaaaagtga aggcattccc caaggatgac ccatccaagg cacccaagct 180  
 cactgcattc ttgggttaca aggctggtat gactcacatt gttagagagg tcgagaagcc 240  
 aggatcaaag 250

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<223> Clone ID: 700953114H1

<400> 22081

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 gaaatggagg agaaagcact gaaaacatta ggtttctctt cttttaagaa aggaacactc 180  
 cagaatccag ccatggtggc tgttggtcgt ggtagttcat atgacagtac aagtattggg 240  
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<210> 22082  
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 <213> Glycine max

<223> Clone ID: 700953071H1

<400> 22082

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 gcaaagcttt atgatcttca tggttctctt ggggaagtgg taattatatg ttggcctcat 180  
 ggtgaaattt tgagggttaa ggcgggtagc actgctactg atgctgctca aagattgggt 240  
 t 241

<210> 22083  
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<223> Clone ID: 700953072H1

<400> 22083

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 agccccagaa gtgggaaggg tgagcatgag gaagaccgtc accaagcagg tctcctcagg 180  
 aagcccatgg tacgggccag accgagtcga gtacttgggc ccattctctg gcgagccccg 240  
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<210> 22084

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700953073H1

<400> 22084

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 actcttgcta gagaggctctg cagagatgac caagtgaat gttatttcaa ggagaggatc 180  
 ttgtttttga ctgtgtcgca gtccccgaat gtggagcagc tgagagagag tatctgggta 240  
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<210> 22085

<211> 206

<212> DNA

<213> Glycine max

<223> Clone ID: 700953074H1

<400> 22085

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 ggagactgag gggtttttta ccttttcact aaccaatggc ccagagtacc atatatctca 180  
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 <223> Clone ID: 700953076H1  
  
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 ttgctctttg gttttggttg attcaaggcc ttcacagcat tcgttgcggc attttaatcg 180  
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 ctaccatcat atttcttaag ggggttgagg ggattttgtt tgtgtttgga agcacatttg 180  
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<210> 22093  
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<210> 22094  
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 <223> Clone ID: 700953088H1  
  
 <400> 22094  
  
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 tgattacttt tataattatt ttactcgtgg tctggacatc ttatttgatg gacagactca 180  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953090H1

<400> 22095

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tattcatctt caacctcacc ccttcgcacg cactctatgg agcatcctca cccgtgcttc 120  
atctcactcc ctctaactt 139

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<223> Clone ID: 700953091H1

<400> 22096

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cactttctca cttccgtcaa aaccctcaaa 150

<210> 22097  
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<212> DNA  
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<223> Clone ID: 700953092H1

<400> 22097

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tttctctgga tcttcgaagt tcgattcctt tcttgaatga acgcaagtca cggttggtgg 180  
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<210> 22098  
<211> 235  
<212> DNA  
<213> Glycine max





<400> 22101

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caaagacact tattccattt gacattagag gccgtgttcg aatacttcat cctccagtta 180  
tgacttggtt cccattctca tttggttaaga aagtgcgctt tgtggcaaca catgatccag 240  
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<210> 22102

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953103H1

<400> 22102

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aaactggagg gatccttgct tctgtggact caagagtgtc agttttggca ggatcaacag 180  
tgggtggtgg ctctgctgtt aattggtcag cctgcattaa gacccacac aaggtgctaa 240  
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<210> 22103

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700953104H1

<400> 22103

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gcgtgcaaca gcagcacgag gagcatggtg tgctcttccc agcacttgca agtggagaat 180  
tggaggttgt tgaggccatg gtggaggaag accccactgt gttggaacac accactggct 240  
gtgaccgcct tt 252

<210> 22104  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953105H1

<400> 22104

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 atcatatgat aggtccctag gtgggagggg ctttgacgag gttctgttca atcattttgc 180  
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<210> 22105  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953070H1

<400> 22105

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 cggagccagt ccctccgga agatcatggg ggtggcctcc atcgccgccg ggggtgaatt 180  
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<210> 22106  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953106H1

<400> 22106

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 ccgtcgaagt tgacgttatt ctacagcatg gaagcttcca cagagccgcc gtgcctagcg 180  
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241

<210> 22107  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953107H1

<400> 22107

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ataatgaata ttaatggccg acgacccttg gctgagtctt tacttcctcc cctgacttt 120  
gagtctgcaa actatccaaa gggctgggtg attggcaaga agagaaagct tgттаатgtc 180  
gatgttggtg aaagcatgcg aaggattgcc atccaagaaa tgaacagaaa ggacagggaa 240  
attgatgggc taaat 255

<210> 22108  
<211> 138  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953108H1

<400> 22108

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tgtttggtt ttattttcat catagatatt gcaaaccact tattcatttt taaaatttaa 120  
ataaatatcc tatatgag 138

<210> 22109  
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<213> Glycine max

<223> Clone ID: 700953109H1

<400> 22109

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acagtattgt ttttttcttc ttcttcttct tcatttttca ttaacatata tttctttttc 120  
gaagaatcaa aggtagaatc tacaatatta aaaaaaactg tataagaaat taaaggtagt 180



gatgaaagtg gactctcgcg gcggctccga cgcgagcacc gataaggaat gtcagcccct 240  
gtcgcagatg gt 252

<210> 22113  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953031H1

<400> 22113

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ccaattgcc a tagtcaccaa ccaattaaca caggtatata tatcatcata tcatcaccaa 120  
atgacacata 130

<210> 22114  
<211> 251  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953033H1

<400> 22114

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gacgtgctc cggccaccgc tccggtcacc gcctttgggt cctcacttt ctcgtccttc 120  
ttcttctcag aaatatgcct tctcagaaag ttgaaacggg tcatcaagac acggtccatg 180  
atgttgcaat ggattactat ggtaagaggc tggccacggc ttcacatgat cacacaatta 240  
agtaattggg g 251

<210> 22115  
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<223> Clone ID: 700953034H1

<400> 22115

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gacgccgctc cggccaccgc tccggccacc gcctttgggt cctcacttt ctcgtccttc 120

0953113-032300





<223> Clone ID: 700953040H1

<400> 22121

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 agctcagcat cactactggt ttctcgaacc taagcagcga aggagatgtg tggctgattc 180  
 aattctaaag ggaccagaaa caagcacatc tgaatttcag ttgttaattt accatgtata 240  
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<210> 22122

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700953043H1

<400> 22122

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 gatttggttt ggggtccatga agaggacgat gtctttgtga aactgatga tggagttaaa 180  
 tgctgcaaat tgattgctgt tcatgctggt ttggagaaag gaaaagatgt gaaagagcat 240  
 taaaact 247

<210> 22123

<211> 167

<212> DNA

<213> Glycine max

<223> Clone ID: 700953044H1

<400> 22123

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 tgcattgttc ttccccgttt ctctacatt ctccgccacc ctctcc 167

<210> 22124

<211> 246



<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953046H1  
  
 <400> 22124  
  
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 ggcacgcgct tctctgcctt cctaactca aaaccccccg atatcccaa gctccaaacc 180  
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 ccacat 246

<210> 22125  
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 <213> Glycine max  
  
 <223> Clone ID: 700953050H1  
  
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 gtgatgaggt cgtggcagct cgggcgagtc caccgcagcc gctggagtgg aaattctcgc 180  
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 tgaat 245

<210> 22126  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700953051H1  
  
 <400> 22126  
  
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 tcacaacaac gtctaataac tacagagccc aacagggttc gtggaagggc tgattctaga 120  
 catggtcaag cgaagagaat ttagttcatg gagatgctat ggtcactaaa aatcccattg 180  
 gaagtgatca atgtctcagg attacagagc tgaaacgggt tcttggaat tctgattcta 240

gaaa

244

<210> 22127  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953052H1

<400> 22127

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gatgattgat aggatgaggt ctgctgggtt tggtagtctt ctagataaga aggcttacta 180  
tcagctcctc aagattttgt gtggcattga gagggttgat catgctttga gtgttctgct 240  
atg 243

<210> 22128  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700953053H1

<400> 22128

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cccaaggaaa agccaaggct aggcgccagt gggaagatga cgctgacctg gcgtcgtctt 180  
ctagacgcga atctcaacag ccaattcccc tcctcaggaa tggccagacg atgtctggtg 240  
agattccgg 249

<210> 22129  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953054H1

<400> 22129

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<223> Clone ID: 700953057H1

<400> 22132

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gccactggta ttctgttagg aatggctagt cgcgtcgtca acactttgtg gacaagcact 120  
acggtgcaaa agaatatgac atgatgggag tgtatcttca gagatcatgg atagttttat 180  
tcttaactgc aatctgtctt cttccctgt tgatcttcag aagcccaatt ttgactatct 240  
taggccaaga tgg 253

<210> 22133

<211> 152

<212> DNA

<213> Glycine max

<223> Clone ID: 700953059H1

<400> 22133

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cttatcccgga atgccaagac ccagcaacat gtcctcgtgg cccaaagttt gaaccaccag 120  
ggctactctt ctggttactc tgttggtaat ac 152

<210> 22134

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700953064H1

<400> 22134

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gctgaggact tgaacttggtg ctttaagaag cttatgatgg tggccgggag tgggaacagt 120  
gagaaagggg tgaacttgaa gggtgggggtg atcaccgagt ggaaggatat tcctgtggag 180  
cttctgatgc aaattctgtc ccttgtggat gatcagacgg tgatcatagc ttctggagtt 240  
ttcgtggatg 250

<210> 22135

<211> 246

<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953066H1  
 <400> 22135  
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 agtttcaatt tcagtatcag ctacactttt tagaaatggc tactctatca agcttcatcg 120  
 ctacgccgaa gaatcccaat acccactttc tctcagggtc ctcattgacg atggacaaat 180  
 gcttcttgaa aatcagctcc agtgaacact ttccagggtc ctcttttaag actaagcaac 240  
 acgtaa 246

<210> 22136  
 <211> 244  
 <212> DNA  
 <213> Glycine max  
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 <400> 22136  
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 tttatcaatc aataacataa ataacacttc ttcttgccct ttaatatatt tttctctctt 120  
 cccctcttgt ttcacctttc aacacttaat tagagacgac ccactttcct tgcagatctt 180  
 tttccaggga aaagtttgga tgttttgtgg taagagttag atgttgagtg atagcggaaa 240  
 gggt 244

<210> 22137  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953023H1  
 <400> 22137  
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 aattttggta gcatggcaat gccatgcgta cgatatgttc cctctccgaa tgaacactgg 120  
 ctatggtgcc cgtactccgg aggtgacatg cgcaagttgg aggcttgctg tggaagcaca 180  
 ccacatcttt ggctttgaga ccattcctgc agagtgcgtt gaagcaacaa aggaatac 238

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gatggtcaaa ctctctcttg aaaaaggcta cactgtccga ggaaccctca ggaatccaga 180  
 tgatcccaag aactggcact tgaacgagtt tgaaggagcc tccgggaggt tgactctgca 240  
 tagggt 246

<210> 22141  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952987H1

<400> 22141

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 gtccagagga caattcatgg aaaatggtac cagttccatt gacaggaagc tcaagtattg 180  
 gtgttcgatt tgggatacta ggtggttaagt tgttgctatt ccgtctggaa tctgaaactg 240  
 cttttcagac attgttg 257

<210> 22142  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952988H1

<400> 22142

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 gaccccgga aggaagagac tgatgagga ttttaaaga ttgcgacatg atcctcctgc 120  
 tggaatcagt ggggctcccc aagacaataa tattatgctt tggaatgctg ttatcttttg 180  
 accagatgac accccttggg atggaggtac gtttaggttg acacttcagt ttacagagga 240  
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<210> 22143  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952989H1

<400> 22143

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gtcttgcaag gtcaagaatt ctcgaccttg agaggcaatt ttgctgaaag taatg 115

<210> 22144

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952990H1

<400> 22144

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tacgagactc agtatgcacc catagagtac ttcaaaacca agatttccat gaagaacata 120

tagtatgaga tgctcagtag tacctctagc tatacgttgg agttgtaatg ttatgtagca 180

ttacattaga tgcagtgcgt aggtctgtag gtgcagaaag ttattagggt aagaaaggaa 240

caaaagtaag gtacgt 256

<210> 22145

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952991H1

<400> 22145

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gctggccatg ttccttttgg tctcctcaga ggtggcatcc acgaattcaa aagaggtgac 120

aatggagtt gaagatgcca aatatacctgg tggaggctat ggtggggggt acccaggcaa 180

tggcggtggt ggctatacctg gccgtggtgg tggctaccct ggtcgtggtg gtggctatcc 240

aggtcgcggt ggtgg 255

<210> 22146

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700952992H1

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<400> 22149  
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<210> 22150  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953002H1

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 gataaaagag gaaagcaatg attccaatta tgataggaaa gctgaaataa aagcatttga 180  
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 gttactttcc ggc 253

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 ggaagatcct actacaattg ccagcagagg ggtcgtgccca acccttaciaa tcgtgggttg 180  
 accaaaatca cacattgtgc tagagacacc agctagatga acaagtcatg aagctggaga 240  
 gggaatatat atg 253

<210> 22152  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953004H1

<400> 22152

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 acgaatcctt ctttgccgca cagctcgggtg tatatgctgc acccattgca tgggatgtgg 180  
 caagaagagc tagcatgaga tcacgggtcaa agactgggca gcaaaaataa tctggagtag 240  
 gacattgtac 250

<210> 22153

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700953005H1

<400> 22153

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 aatcttcctc tcttggtatc cagcaaccgg tttggcggcg cggcttttca caccggtctc 120  
 acaattcgtc caggtttttg ttttttttgt tttttggata acgagaattc tagatctctt 180  
 gaacgcaccg tttttggcgg ttatagagga tcgggacgcg aggcgggatga cggcgaggag 240  
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<210> 22154

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700953006H1

<400> 22154

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 ttgtctgagc aaggtacaga aagcttgca ggtggagcaa gtactgtgca acctggagct 180  
 tctgctgttt tatcatggag aagctcatca aagaattctg accaatgttt gcaagttcga 240  
 cctaatttga t 251

<210> 22155  
 <211> 254  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953007H1  
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 caccccaaga tctaccgaat gaagctctgg gccaccaacg aggttcgcgc caagtccaag 180  
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 atcaagagat tttt 254

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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953009H1  
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 caccaccacc agggtaacaa caacaaagcc tcttcttcat catttcttca gtgccctaag 180  
 gttgtggtag agttgcagaa tgggtggtgat ggcaaagtat tctctccctc ttctgcaaatt 240  
 acagctgtgt cccagccc 258

<210> 22157  
 <211> 255  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700953010H1  
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tatggggatg gtgtttgtgg acaaggtgat gtggactcaa tgaacaatat tgtttcccat 180  
 tacctgtatt atcttgacct tcttgggtgtt ggtcgagaac aggctgggcc ccatgacatc 240  
 cttacatgcg ctgag 255

<210> 22158  
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 <212> DNA  
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<223> Clone ID: 700953012H1

<400> 22158

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 aacacaacaa tgggagacga gaagaagggc aagcctgctg cttccggcgt gtggtccacc 180  
 atcaagcctt tcgtcaatg 199

<210> 22159  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953013H1

<400> 22159

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 ttgacgggat cgtcggcacc ggcttagact tcttaggcag tgcactcgat acagttactt 180  
 ttttagcctc ctccatctcc atccaactta ttägtgctac caaggctgat ggtgggaaag 240  
 gaaagttgga aagg 254

<210> 22160  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700953014H1

<400> 22160

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ccaccatcat gaccacacca accggaaatc ccttttggac accctatact gctccgatgc 120  
agaggaggac tacggtcatt tcctaaacaa ctctccctc gcgtccctc ctttcttget 180  
ccaaagcgac atgttttcgg 200

<210> 22161  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953016H1  
<400> 22161

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atgcctcgcc gtagctccgg tggaagatc 89

<210> 22162  
<211> 251  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953018H1  
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gttaggttct tctgcaactg ctgccttctc attctcccaa ccatgctctc ttcccaaact 180  
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tcggctggta g 251

<210> 22163  
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<212> DNA  
<213> Glycine max  
<223> Clone ID: 700953020H1  
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aagtgctgca actaatcaga tccaagacc ttggcctacc ttgccataca gaaaaaaaaa 120  
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aaagaataat ggttgaagt gcaacaaagg ttgctttcac cctcttgccc actttcgcca 240  
ttgtcatcca tgcct 255

<210> 22164  
<211> 258  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952984H1

<400> 22164

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gggctcatca caatgccctt catctttggt aatgaggttt gtgagaagct ggctgtggta 120  
ggtttcaaca caaacatgat tagctacttg acaacacagc ttcacatgcc attgacaaaa 180  
gcagctaaca cctcactaa ctttggtgga actgcaagct tgacaccggt gcttggtgct 240  
ttcattgctg attcttat 258

<210> 22165  
<211> 253  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700953021H1

<400> 22165

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ggagagggaaa aagagcagcc taagaatgaa accgagaaga agcccagga ggccgccgca 120  
gcccccaaga aagacgacgg acccatcct gtcgtttaca aactcgactt gcattgagag 180  
ggatgctgca agaagatcaa acgcacatgt cggcacttcc aagggtgtgga aaccgttaag 240  
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<210> 22166  
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<210> 22181  
 <211> 92  
 <212> DNA  
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<223> Clone ID: 700952966H1

<400> 22181

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 aagaacggtg cgtggaagaa tcagggcgcc ac 92

<210> 22182  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952968H1

<400> 22182

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 ttgtagtatt agtagcactt cataatgctg aatgccgttc tcttcggcct agtgtttctg 180  
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<210> 22183  
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<223> Clone ID: 700952969H1

<400> 22183

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 ctcctccacc gctggcacga gaagatccgc accgccactc ccctccacgc cgtcagccac 180  
 gccgagagcg ccgccatagt gtcctcgtc gcctccggcg tctaactcct cggcttcttc 240  
 ggcgttgcgt 250





<223> Clone ID: 700952977H1

<400> 22190

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tggcacttta gtttgacaag atcacatata tatacactgc ttgtggttca ctgttggtat 180  
cacaatcacc agtgaatggg tttatcttct ttgcacgtct gcatggattc atcagatcat 240  
tggttgccagg gcac 254

<210> 22191

<211> 101

<212> DNA

<213> Glycine max

<223> Clone ID: 700952979H1

<400> 22191

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<210> 22192

<211> 253

<212> DNA

<213> Glycine max

<223> Clone ID: 700952947H1

<400> 22192

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acttggggaa cctccgtgca ttaacccaaa agagttcatg gacccttaat taagaaatat 120  
tttgctaga accagaacct gcccttactc tataacattt accaaccggg aattcttctc 180  
ggacgttttg tgttttgatt ctagacactt ggaagaagag tgagttgttt tccttgtttt 240  
gcaaagacta aga 253

<210> 22193

<211> 239

<212> DNA

<213> Glycine max



<223> Clone ID: 700952980H1

<400> 22193

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cagtttcctc aactcaagaa tggctgccaa cgactcgccc accgagattg gtactaagaa 120  
gctttcgaat tgttggggaa atgctcaaatt gcccttgaca ctccccactc tectctcttc 180  
ggggcgccag cacctcgaca catcattcag cactgccgct gacaattttt tcagatttc 239

<210> 22194

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700952981H1

<400> 22194

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aacaggagat gaaggagaaa tcagaaagga ttgtcgctac ctcaatgcc aattagatata 180  
taatataagc ttgcatttgt gcatgataat atgtataatt agcgtaagat tataatgcac 240  
gagtgtgtca aaataaagag gg 262

<210> 22195

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700952982H1

<400> 22195

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tatgagaaag aatgcgagga aagcgctata gctggggctg gaaataccac agatccaaaa 120  
gaacttatca aaattttctt caacatcacc attacaaaaa ttggtgataa actcaaagaa 180  
actaatatct tgcattgagg tgaggaggaa cccagagcca agatggcact tgacacttgc 240  
aagcaactca tggatcttt 259

<210> 22196  
 <211> 94  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952983H1  
  
 <400> 22196  
  
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 ccatgctcgt tccgtcacia cccaaccatg gaag 94

<210> 22197  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952905H1  
  
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 ggctcatcac gatgcccttc atctttggta atgaggtttt tgagaagctg gctgtggtag 120  
 gtttcaacac aaacgtgatt agctacttga caacacagct tcgcatgccca ttgaccaaag 180  
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 tcattgctga ttcttatg 258

<210> 22198  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952909H1  
  
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 attccctggt gcggttgatt cttgacgaca g 91

<210> 22199  
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 <213> Glycine max  
  
 <223> Clone ID: 700952911H1

<400> 22199  
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 gaaaagaaat gaaagcttaa gcctttgagt ctgagagaga agagtgggga ctggagaatg 120  
 aatagggagt gttggcgaag tagatctgaa aggtgaagaa tttgagtagg taaaacccaa 180  
 agttttcaac tttgaatcaa agggtcacat aatgctttta cgttttggtt ttttctgcct 240  
 tccgacactc taagaaaat 259

<210> 22200  
 <211> 257  
 <212> DNA  
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<223> Clone ID: 700952913H1

<400> 22200  
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 ttctcttcga ctgcgacggg gtgatttggg agggcgacga actcatcgat ggtgttcgcg 180  
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 ggaagtcgcg ttctcag 257

<210> 22201  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952914H1

<400> 22201  
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 tttgtattat ttttttttta attttaattg aaggagagcta gtggcaaadc atggtcttaa 180  
 tagatgagtt caagattaat gagtttatgg tactcttcgc tgtcttgatt tgggtatgat 240  
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<210> 22202  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952915H1  
  
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 ctgcaaagaa aactcagcat cttagataga accgaagctg gtctaataca agctagagct 120  
 gcaattagtg aagcaagaaa cggagatcga acgcaagaca aagactatgt tccagttgga 180  
 cctatgtaca acaatgctaa tgcatttcac aggagttact tagaaatgga gaaacagttc 240  
 aaagtatttg tctacgaag 259

<210> 22203  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952916H1  
  
 <400> 22203  
  
 caaccagcaa gacctatata tgctgagcaa cttccagcag gtctacagac aatttcaaatt 60  
 attgtggctg tgtccagttg caaggggggt gtgggaaaat caactgtagc agtaaacctt 120  
 gcttacactt tggctgatat ggggtgctaga gttggtatat ttgatgctga tgtttatggt 180  
 ccaagcttac cgactatggg ctctcctgaa aaccgactgt tagtaatgaa tccagagaag 240  
 aagaccataa ttcctactg 259

<210> 22204  
 <211> 96  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952918H1  
  
 <400> 22204  
  
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 gttggcagtg ctgtgggtcaa gcatcaggat ttcatt 96

002200-03200

<210> 22205  
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 <212> DNA  
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<223> Clone ID: 700952919H1

<400> 22205

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 atgagagaga taattagtat tcatattgga caagctggaa ttcaggtggg gaattcatgc 120  
 tgggagttgt attgccttga gcatggaatt aacctgatg gcaccatgcc tagtgatacc 180  
 tcagttggtg tagcacatga tgctttcaac accttcttca gcgagacggg atccggcaag 240  
 catgtgccaa gggctttatt 260

<210> 22206  
 <211> 262  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952920H1

<400> 22206

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 tacacgaacc ggttctcggg cccaccgagg cccaattccg cttcctcaac gggcctgtcc 180  
 atgataaccg tcgaggacga tategagtct cttttctccg agacgaactc ggaggaggag 240  
 cggcgcgtga ggaagcaacc ta 262

<210> 22207  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952921H1

<400> 22207

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 gctggcgttg ttgccgttga cgtcaccggt g 91

0953113-03200

<210> 22208  
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<223> Clone ID: 700952923H1

<400> 22208

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 gaggattacc cataccgtgg tgttgatggt agatgcgaca catataggaa aaatgctaaa 120  
 gtcgtttcta ttgatgacta cgaagatggt cctgcctatg atgagtttagc cttgaaaaag 180  
 gccgttgcaa atcagcccgt gagcgttgct attgaaggag ggggcaggga atttcaatta 240  
 tatgtatctg gtgtattca 259

<210> 22209  
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<223> Clone ID: 700952924H1

<400> 22209

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<210> 22210  
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<223> Clone ID: 700952925H1

<400> 22210

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 gaagcgctgg caagaaagag tacgtaatag tgg 93

<210> 22211  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952926H1



cgcttctgtg ttcccttggt gctacttgct agcttcagtt atgctccttt tgttttggcc 120  
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 aaacctaata tacaaggaca tgatgaagaa gcaaagttha aaggatttat tccaaagcgc 240  
 attcccatag tgaa 254

<210> 22215  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952931H1

<400> 22215

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 aattattagt tacttggttt tgccatatat gtacaataatc atcactaggt cagggtttctc 120  
 ttgcttgga tatttatttc tttctctaac aggtctagct agtactaatg gaaatgtggt 180  
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<210> 22216  
 <211> 263  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952932H1

<400> 22216

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 ccgtatttaa ccgccttaac cacctacttc agctacgggt tgctcttcgc ctttggccag 180  
 ttcagggatt tcttccggaa aatcttcgac tgggtgcagcg ccaacactct ccagggttac 240  
 gcgccgatct gcttagggct cga 263

<210> 22217  
 <211> 96  
 <212> DNA  
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<223> Clone ID: 700952933H1



<400> 22217  
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<210> 22218  
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 <212> DNA  
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<223> Clone ID: 700952934H1

<400> 22218  
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 agatgacttg gcaacgttgt gtgggaagta aaagttgaga gctcagcaca acaattacca 180  
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<210> 22219  
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 <212> DNA  
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<223> Clone ID: 700952935H1

<400> 22219  
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<210> 22220  
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 <212> DNA  
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<223> Clone ID: 700952937H1

<400> 22220  
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 acacgggcag aagatctcct actttctgcg accgctgtgg gaaaaagcac ccaagccttt 180

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caatgtcatc cctcattact ataacgaaaa catcaccatg gagaatctct gcagacttca 240  
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<210> 22221  
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 <212> DNA  
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<223> Clone ID: 700952938H1

<400> 22221

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 gggcccatca gccccgaag tcgggagggt cagcatgagg aagaccgtca ccaagcaggc 180  
 ctctccgga agcccatggt acggcccaga ccgcgtcaag tacttgggcc cattctctgg 240  
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<210> 22222  
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 <212> DNA  
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<223> Clone ID: 700952939H1

<400> 22222

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 aattgtatga tttgactggt gtgcctcccg aaagacaaaa aattatggtc aagggtggtc 180  
 ttttgaagga tgatgctgat tgggtcaacag taggggtgaa agagggtcag aagctagtga 240  
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<210> 22223  
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 <212> DNA  
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<223> Clone ID: 700952942H1

<400> 22223

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<210> 22224  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952943H1

<400> 22224

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tatcatgcat ttaacagtag gggccagttt tatccggcaa tgggtgtatct gtcaacttcc 180  
aagatcagtt tgggtgcttct tctcaacatg ggtttggtct ttatgtgtat tctatggcaa 240  
ttaaccaaga agttggt 257

<210> 22225  
<211> 262  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952902H1

<400> 22225

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tgtcctttct caattctcat catatatctg ttcaagtacc attatctttc tatgttgagt 180  
gtcggcattt tttgagtttc tcaactaccac ttgttctttt tttctgatac atgcatatat 240  
atacgtccag gtatacagtc ta 262

<210> 22226  
<211> 205  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952945H1

<400> 22226

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 aagcattcag ggtttggaca tcaccaaatt gttgggagaa tatcccgaat gtgcacagta 180  
 gaccaaatac ctaactggaa ccaag 205

<210> 22227  
 <211> 258  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952946H1  
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 ttgtggacaa cagttattaa cccgttgact aaatatgctt tgttgatgaa cccactggca 180  
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 cttaggacaa cacttggt 258

<210> 22228  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952865H1  
 <400> 22228

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 ttctaaciaa tttgttgagg cacattacct tggacaacia tgagaacaaa cctgtcacta 180  
 acagtaggga tacacaagag gttatgttgg agcctgggct gaaattaatt aaaattttca 240  
 ag 242

<210> 22229  
 <211> 243  
 <212> DNA  
 <213> Glycine max

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<223> Clone ID: 700952866H1

<400> 22229

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cagtaagtat cctcccgggg agtcttctaa tcttcaatca tcagaaaaag atgatcacia 180  
taatgataca aatcttgctg aaggatctag taaaccagag ctgagtaaca agaatactcc 240  
aca 243

<210> 22230

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700952867H1

<400> 22230

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cctcgtgtcc tttttcttct ttgtctcca aaaatctcac acacacagggt atctagcaaa 180  
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<210> 22231

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700952868H1

<400> 22231

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ggtgccgaac caggcactaa aattggaatt tatggatcta attgcccgga atggattgtg 120  
gcaatggagg cttgttctgc tcaaagcttt gtttgtgtgc ctctctatga cacccttggg 180  
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<210> 22232

<211> 226

<212> DNA  
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 <223> Clone ID: 700952869H1  
 <400> 22232  
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 tttccaccgc actgatgagg agctgggttt gcagtacttg aagcgcaagg tcttctcctg 180  
 ccctctgaca gcctctatca ttcttgaggt tgatgtttgc aagtct 226

<210> 22233  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952871H1  
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 agttatctgc atataatcca gtcattagtt cattgaaaga ggattttgct tctttagaac 180  
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 c 241

<210> 22234  
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 <213> Glycine max  
 <223> Clone ID: 700952872H1  
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 acacgttggg gtgcattctg ttggtgatta tacagccatt gagctaattg gcagagaccg 180  
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<223> Clone ID: 700952873H1

<400> 22235

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accgatcccg gccacaagtg caagacggcg ctcaactcca tccaccacaa ccggagccgc 180  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952874H1

<400> 22236

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acagcaccac caccggcagc aacatcaacc tccctctgaa cgtccccttc gcccccttct 180  
cccgtccga caaattgggc cgcacgcgcg actggactcg caacttcaac aacct 235

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<223> Clone ID: 700952877H1

<400> 22237

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ttaggtgcaa aaaagagttt ttttttttat attttttttg gggggcggcg gggggtaagg 180  
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<210> 22238  
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 <213> Glycine max

<223> Clone ID: 700952878H1

<400> 22238

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 atgatgatga tgaagatgtg gagatggcac tctccataa ccagatctct gaatcaagat 180  
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<223> Clone ID: 700952879H1

<400> 22239

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 tttgacatgt ccaagagcaa attatttaatt tcagaactgg aggaatgaat ttttaatttga 180  
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<210> 22240  
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 <213> Glycine max

<223> Clone ID: 700952880H1

<400> 22240

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 ctctccacct ctctcgccgc aaacgcctct ctctccctcc aaccacgtcc ctctctact 180  
 ctccccgttc ccgcttcgat tgcgctagtc tcgagttaca tccgttgatt attccg 236



<210> 22241  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952881H1

<400> 22241

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 aactgtaaac actcgccaac aaaccgagcg tgatccgaag aaagacacga ggagtcaagg 180  
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<210> 22242  
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 <213> Glycine max

<223> Clone ID: 700952883H1

<400> 22242

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 ccgtcttgcc catggagata agaaggctgt tgctcgtcga tgttttgcct cagaagctga 180  
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<210> 22243  
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<223> Clone ID: 700952884H1

<400> 22243

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<210> 22247  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952889H1

<400> 22247

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ggtttttcgga gagatcacia ccaaggccaa cgtggactat gagaagattg tgcgtgacac 180  
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<210> 22248  
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<212> DNA  
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<223> Clone ID: 700952890H1

<400> 22248

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actcccaagt ctgttgaaga tgacttcttt actacagcca ctgatgcatt cagccatgct 180  
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<210> 22249  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952893H1

<400> 22249

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ctataccctt tctcaaagg tctcatgggg cgccaaaaca gaacaccaac cattgtggtg 180  
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003300"CTE60

<210> 22250  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952894H1  
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 accaaagcaa tggccaagat tcgtgtgggc aatcctccca aagcaagctt catgaagaat 180  
 ttgcaaactt acttaagccc gttagcatag gcaataatca cttacaaca 229

<210> 22251  
 <211> 232  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952895H1  
 <400> 22251  
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 acattgcata ttagaggccc aacagaatta ttcggattcg ttggagaagg aaagattgaa 180  
 ataccagaaa gactataaag aatcaattaa gaggcttgaa gagaaggtaa tg 232

<210> 22252  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952896H1  
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 ctttgtgttt tttcgtagaa acaaagatct gatcatgacg atgatgagca gcagcaacaa 180  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952901H1

<400> 22253

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tactctccct aaagttctaa ttgacgggtcc gtacggagca ccagcccaag actacaagca 180  
atatgaggtg gttttgctag tggggctagg aattggagcc accccaatga ttagtatact 240  
taaggacata gtgaataaca tg 262

<210> 22254  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952864H1

<400> 22254

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tatcactctc caagggtaat tttttagagt agagacaagt cagtcttcta tgttcggtgg 180  
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<210> 22255  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952830H1

<400> 22255

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atcatcaccg ttgattgaag aagatgccga tcagaaacat cgccatcgga aggcctgaag 120  
aggctactca ccccgacacg ttgaaggcgg ggttggtgta gttcatctcc accttgatct 180

tcgtgttcgc cggttcaggt tccggcatcg cctacaacaa gtcaccgac aacggcgccg 240  
ccactc 246

<210> 22256  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952831H1

<400> 22256

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tggagtacta actcccattt cttatttatt attgaattaa ccgatcaact tgctttgtta 180  
tcgaacattt ctttttgatt tcaaaaattt tccggaaaaa ctttgaatct atttttatat 240  
gcgaatc 247

<210> 22257  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952832H1

<400> 22257

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ccttcgaggg tgaagaagga gttcgaggtt gatccaatga gaggctgcaa ggagaagggt 180  
agaagcagag agaagaaggg tgtgggtttg tccagatcgg gcttgtaag gccacagatg 240  
tcagatc 247

<210> 22258  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952833H1

<400> 22258

0952831-0952832-0952833

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tcccaggggt tgaggcaaag gcaagggtt tctttgtatt tggagactca ctgggtgaca 180  
gtggtaacaa caattactta gcgaccactg cacgggctga ttcccctcct tatggcattg 240  
actatccaa 249

<210> 22259  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952834H1

<400> 22259

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agtatcagga tggcatagaa tgagttattc ttatagcgat ggatcagtca tctcacaact 180  
attggttgag tacataaaaa aagttcatgg catcgttggg aatgcaatca ccgaaggaaa 240  
gtacatcgta tttggaa 257

<210> 22260  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952835H1

<400> 22260

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tttagatgca gaagctctta gaaaagcttt ccaaggatgg gggaccgatg agaaaaccgt 120  
tattgcaata ctgggtcata gaaatgttca tcagaggcaa caaatcagaa aggtttatga 180  
ggaaatttac caagaggacc tcattaaacg cctggagtct gagctctctg gtgactttga 240  
gagagctgt 249

<210> 22261  
<211> 247





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246

<210> 22264  
<211> 249  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952842H1

<400> 22264

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ttctttccag cgatgacaaa gattgttggc acacttggcc caaagtcacg atcggttgac 180  
gtgatttccc aatgtcttga ggcaggaatg tctgtggcaa ggtttgattt ttcattgggt 240  
gatcctgaa 249

<210> 22265  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952843H1

<400> 22265

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aaagtgaat ggttggcaag gataatctga gggctgagga cttgaacttg tgctttaaga 120  
agcttatgat ggtggccggg agtggaaca gtgagaaagg ggtgaacttg aaggttgggg 180  
tgatcaccga gtggaaggat attcctgtgg agcttctgat gcaaattctg tcccttgtgg 240  
atg 243

<210> 22266  
<211> 243  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952844H1

<400> 22266

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<223> Clone ID: 700952850H1

<400> 22269

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tagggtttac agcaaatgca gcatagcctg cctcgtcaca aaatactgaa cgccgcagct 120  
ctgtggttga tcgacgcatt cttcacttca atcccacaat gtctataacg cacagcctca 180  
ccacttcaact ctcttcttct tctctgtctt tcttagctcc ctcttccttc aattccagag 240  
gacaggt 247

<210> 22270

<211> 246

<212> DNA

<213> Glycine max

<223> Clone ID: 700952851H1

<400> 22270

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tcttcttcaa ttttattcga ttcgcttgct ggaaaattct ttgagtgagg gagaggatgt 180  
ctggtggcac acagaagagt ctgagaaaag cacttggagc ccttaaggac accacaacag 240  
tctcgt 246

<210> 22271

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700952852H1

<400> 22271

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ctggctgaat gaaatgtcgc aggtgaatga gcaccaccac cacgcaccct ccacgccagg 120  
gaaattgaag ccagaaaaat ccccatataa ccgcctccgt atccactcct ctctctccaa 180  
actcactctc tggctcctct tcttctctgc attcatcttc ttcctcttca ttctgtcacc 240  
gc 242

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<210> 22272  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952853H1  
  
 <400> 22272  
  
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 aacctagccc taaacatcgc agaaaagggg ttcccgatct ccgtgtacaa ccgcacggcc 180  
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 caat 244

<210> 22273  
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 <223> Clone ID: 700952854H1  
  
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 gaggttgtgc aaagtttttt gcaagctcta aaccctactt ggccatgac tctttacaat 180  
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 atgtcc 246

<210> 22274  
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 <212> DNA  
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 <223> Clone ID: 700952855H1  
  
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ggaggccttc agcctcttcg acaaggacgg cgatggttgt attactacta aggaacttgg 180  
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 tgagg 245

<210> 22275  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952856H1  
 <400> 22275

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<210> 22276  
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 <223> Clone ID: 700952857H1  
 <400> 22276

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 cttcctagtt acttccctct gcagccataa tagaataacc agcaccacca aaggtgaatc 180  
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 cta 243

<210> 22277  
 <211> 240  
 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952859H1  
 <400> 22277

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 gtatctctac actctatctt ctcgcttaca actcctttca ggccattgga tggacgattt 120

ccttaactaa gattttgtac aatcttctcg tcaactgcac catcaaagga acctatgctt 180  
 ccgcccagag cttaatctgt tttctgcaat gcgctgcatt cttggaagtt atacacggag 240

<210> 22278  
 <211> 247  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952829H1

<400> 22278

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 cactcagtct caacctcgag tcccaaagtt tcgctcttcc ctttctccca cttcaccgtc 180  
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 aacaaga 247

<210> 22279  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952860H1

<400> 22279

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 caatacatgg gagtttatgg aaatgagtgg ttgtattgtg gttgctctgc aaattggcgc 180  
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<210> 22280  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952861H1

<400> 22280

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tcagattgtg tgaagatggg ggctgggtggc cgaactgctg ttcctcctgc caacaggaag 120  
tcagaggctg accctttgaa gcggttacca tttgaaaaac ctcagtttag tctcagccag 180  
attaagaagg ccattccacc tcaactgtttc cagcgtctg ttctccgctc attctcctat 240  
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<210> 22284  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952790H1

<400> 22284

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ccgatgctgc tgctgcttca gctgggtcat cggaatcctc ttcattctcg tcgttttctt 180  
cgccatcgcc gccggcgctc tctacctcgt tttccgtccc gaggagccga aatactccat 240  
cgaaaacatc gccgtcagag gaat 264

<210> 22285  
<211> 263  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952791H1

<400> 22285

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ttatatatct tcacatactt aataatatat aataatgggt gttgtacgga cgtgggagag 180  
caggagggcg gactggaggc ctttcgccgg agcctgggtg cagccgccgg catccagcgg 240  
cggaagacg atgagggggg gag 263

<210> 22286  
<211> 264

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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952792H1  
 <400> 22286  
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 gggcagaagc aattgataac ttggaccatg gaaaccctgg atcagataag agctttggca 180  
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<210> 22287  
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 <212> DNA  
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 aaatatgttg aaagcttcaa ctgctcggag gcaccaagga agaaaagcaa gaagatagaa 180  
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 cgtttataga gtgaaggaca ggtgcgagaa gacgaaggag atgtggagct accctatgag 180  
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262

<210> 22289

<211> 264

<212> DNA

<213> Glycine max

<223> Clone ID: 700952795H1

<400> 22289

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tctcctcca aactatgatg ggcaggctcc agctgcgagc tccgataaac aacccttgg 180

tcacacagtc ctcgaggac tttttattca acgacctcgg cgacgacgac gacgacggcg 240

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<210> 22290

<211> 262

<212> DNA

<213> Glycine max

<223> Clone ID: 700952796H1

<400> 22290

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acaagatctg aagccaatgc aacttactga tgaagcgttt ccagggtggc ctcaagactt 180

gtccttgctt agatccttta ggaaccatgt tgccacacgc ctatggatag gagaggaccg 240

tcacgagttg aaggtggtta at 262

<210> 22291

<211> 261

<212> DNA

<213> Glycine max

<223> Clone ID: 700952802H1

<400> 22291

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<223> Clone ID: 700952807H1

<400> 22294

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acagtactta ttgaccatca ttgtgttggt gcttctaata gatattggtg gtgacaaaat 180  
attatttacc agaaaattct gaaaaatcta tgtagcttag atgaagtgga tattattgaa 240  
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<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952810H1

<400> 22295

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atgtgttga tatcaacagc atcaccagtg ttaaggggtg cattggaacc ggcattaaca 180  
tcattggagg tgctgctgac accgttactg ctttggcgtc ccacatctcc atccagctca 240  
tcagtgccac 250

<210> 22296

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952814H1

<400> 22296

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acattacaag cctaaagtat ctatcgggat acttgatgtg actcttaaac aaaaggctctg 180  
aaggttctct gctagatcaa gatcataatt agctgtgata cttagtcata acctgttttc 240  
ggggaca 247

0553113-032200

<210> 22297  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952816H1

<400> 22297

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 caagagagga ttggcaattg aagatccctc tgcaccccat ggccttcgcc ttgtgataga 180  
 ggactaccct tatgctgttg atggacttga aatatgggat gctattaaga catgggttca 240  
 tgaatatg 248

<210> 22298  
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<223> Clone ID: 700952817H1

<400> 22298

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 gacacagact ctctgagatc ttcttcccag atgatccact ccacagggtc aagaaccaa 180  
 catgcctcat caagctcctc cttgcacttc aatacttttt ccccattttc caatgggccc 240  
 ctctctacaa ccttt 255

<210> 22299  
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 <213> Glycine max

<223> Clone ID: 700952818H1

<400> 22299

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095311-03200





<210> 22305  
 <211> 247  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952826H1  
  
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 ccgtcaggtg gtgccagatg ttggcgaagc gaaggaggag gacaacctgc tgaacgccga 180  
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 cgatcat 247

<210> 22306  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952785H1  
  
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 tcccttcctc aaccctaaact ttctctgttt caatcccttc ctcaacccaa atcttctctg 180  
 tttcaatccc ttctccacc caaacaacct tccaccgaaa gctcttccct ccctaaccct 240  
 aaccctaacc ctgaccctaa accccaaa 268

<210> 22307  
 <211> 271  
 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952752H1  
  
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 gtcagtcttt ggtcaatgat taaggataat atagggaagg atctaacaaa agtttgcctt 180



cctgtttatt ttaacgaacc tctttcctcc ctgcaaaaat gttttgaaga aatggagtat 240  
tcatatcttc tggaccaagc atatgaatgg g 271

<210> 22308  
<211> 273  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952754H1

<400> 22308

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atatgatgaa gatgaacctg atgccaaaag atggaaaatt gaaggtgaaa atgagggtat 180  
gtcagcccct ggaagtagaa cagttagaga acctagagtt gtagttcaga caaccagtga 240  
cattgatatc cttgatgatg gctataggtg gag 273

<210> 22309  
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<212> DNA  
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<223> Clone ID: 700952755H1

<400> 22309

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tgtaaatagc tggacttttg acagcacaga cacttttcac aaagatgttg catagtgtgc 180  
tccgtgcccc catggcatgt ttgattcta caccaactgg aagaatattg aacagggctt 240  
ccacagatca aagtgtgcta gacttgg 267

<210> 22310  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952757H1

<400> 22310



<212> DNA  
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<223> Clone ID: 700952763H1

<400> 22313

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ttcggttccc aagaatcaat ggcgactcgt gcgttgctcg gagcaatcaa gaaacgcacc 180  
gtttcgttcc ccgcattccg cggccattcc atttatcgac acggtagcac gcttgtgggtg 240  
gcggaacacg aaggtgggtt tatcaaa 267

<210> 22314  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952764H1

<400> 22314

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ataacctaca ccatattgga ggggtgtcatg ttgaagtact ataagagcta caaggttatc 180  
gttcatgttt taccaaaagg tgatgagcac agccttgtga agtggacttt cttgtatgag 240  
aaggtggatc aactgcccc tgagcca 267

<210> 22315  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952765H1

<400> 22315

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gaaaatcaaa attttctaga gtattgggtt ttgcactac ttatgatgct tttgttgggt 120  
cattggatct ctgttcaagc tgccccctca ccctctctca tcaactcaact ccctggcttt 180  
aacgccaatt tcccatccaa gcactattcc gggatatataa gtattgatgg aaatgctgaa 240

agtgggaaga acctgttcta ctactttgt

269

<210> 22316  
<211> 265  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952766H1

<400> 22316

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cgatttcgat tccgattccg ggaatagact accaacaaga gcaaactaa ggagaaggaa 120  
tgtgcagcta gatgactacc attgtccatt ttgttcgtgt catgaggagg aagcgtccca 180  
catatttttt ggttgccaaa gaataatgcc tttatggtgg gagagccttg catggacaga 240  
ggttgtaact gtgttccttg catca 265

<210> 22317  
<211> 270  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952767H1

<400> 22317

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aaagctcacc ggtgcaacaa atgatggcca gaaaccctaa caactggtgg aacatcaaca 180  
ccatgcgccc tctcctcct tctcaagctt ctgcaccttt cttctccact cttccaact 240  
ttctaactcc ttataacccc acttctcttc 270

<210> 22318  
<211> 265  
<212> DNA  
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<223> Clone ID: 700952768H1

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<223> Clone ID: 700952772H1

<400> 22321

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cctgttattc atttctcgct gogccaaaca gtggatgcgc tagtgtttga gggatcacat 180  
cctctatcag aaagtaggaa gagatctctg gggttgactg tggttctgtt ggtcctcata 240  
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<210> 22322

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700952773H1

<400> 22322

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tcacggaaca tgttcaaaca gccagatact aatggagttg ttaatggaga gttggctaata 180  
gtaaaagtca caaatacaag tttgaataga caggtgactg gttcttcacc tgaaagtaca 240  
tcaaaccaat caagcagagc agctcct 267

<210> 22323

<211> 267

<212> DNA

<213> Glycine max

<223> Clone ID: 700952774H1

<400> 22323

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tcttgtaga aaaaaataat gatgggccat gagggtgttt ccattgatgc cagcaatgac 180  
tttgtaacag taactgcac ttctatcatt aaagggaagc gtgtagaaca gaacattcac 240  
tgtaacatcc ttattggtac agatggt 267

<210> 22324  
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<212> DNA  
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<223> Clone ID: 700952775H1

<400> 22324

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gtagatttag acaccctttt ggaaaaggaa gtgttttttg agggaaagga gggaattttt 180  
tgtgtgggag ggtggaaccc ggaattcggg ttggttgggg tagagaggat gaagattcag 240  
tgtaacgtgt gtgaggctgc gga 263

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<213> Glycine max

<223> Clone ID: 700952778H1

<400> 22325

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gttttagcttc tactgaggaa caggaaaggg acaggattgc caagctgcca ggacaaccag 180  
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cattgttcta ttggctgggt gaga 264

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952779H1

<400> 22326

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ttccaaagca aatgctaact ctgaaatgac caaagctaac gacactaacc tttgccccat 120

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<400> 22329  
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gaaaccagag gggatatgatg acatcccaaa agagctccca gatcctgaag ccaagaagcc 180  
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<210> 22330  
<211> 270  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952751H1

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<211> 275  
<212> DNA  
<213> Glycine max  
<223> Clone ID: 700952720H1

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gctctccaag cctgccaagg gagttgagaa atccttttct ctctctctc tccttcgcaa 180  
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<210> 22332  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952721H1  
  
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 acaatctgtg gcaccgacag catccaagtt tccgttgagc ttttgggaag ccacggtggc 180  
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<210> 22333  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952722H1  
  
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<210> 22334  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952724H1  
  
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caagtcctgg agcggttagg ggggtgtacct gatccgacaa aatcaaactt gatcgagggt 240  
cgctggcagc taattttcac cacaagacca ggaac 275

<210> 22335  
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<212> DNA  
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<223> Clone ID: 700952725H1

<400> 22335

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aagacgagga tgaagttagg gatgcgggcg ttgaggacgt tggaaaatca tttttgctgt 180  
cagtcccaga taacgatttg acttccgagg gagaaaccaa aattgacagc cacagggaga 240  
aagtaaagtg gaagcgcaag tcagttgtta cac 273

<210> 22336  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952726H1

<400> 22336

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ttgatggagt ttttctgttg aatttataga acatactttg tgtcgaagct ataaaacagc 180  
aggtttcaca gttttaccta agatcatcca acagtcatca tggttaaaca taacctccac 240  
taaaccatag ggatattata gaatttctgc ca 272

<210> 22337  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952727H1

<400> 22337



<212> DNA  
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 <223> Clone ID: 700952730H1  
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 tatcgaggaa aattggagaa aggtgctgtt atgaaagcta tctgtgctgg ttttgaagaa 180  
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<210> 22341  
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<210> 22342  
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 <223> Clone ID: 700952732H1  
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 tccggcacgc cactggcggg aacactacca ccaacagtgg tggcatcccc tcccaccaca 180  
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acaccaccag ctccaaaagt tgcacctgct tc

272

<210> 22343  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952733H1

<400> 22343

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tggaacagt tgaaaacaaa gtggcgaacg ggtgcgtaat gcgtgggaat ctgccgaaca 180  
gttcgggcca aatcctgaag aaagctaaaa agcgcgtgtt gatgagcctg cgtagtatta 240  
ggtagtgtgt caggtaaagg ctgaccaagc caa 273

<210> 22344  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952734H1

<400> 22344

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cagagaaagg agaggggtcca gtggtgttgt tcctccacgg cttccctgag ctctggtact 120  
catggcgcca tcagattctc tctctcagct ccctcggcta ccgcgccgtc gctcccgatc 180  
tccgtggcta cggtgacacc gaagcaccac cttcaatcag cagctacaac tgcttccaca 240  
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<210> 22345  
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<213> Glycine max

<223> Clone ID: 700952737H1

<400> 22345

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<223> Clone ID: 700952743H1

<400> 22348

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 ggaattgcta gattcactgc ttctcctagc agcagatttt gggttcttct gacccaatta 180  
 ttcattttcc ccaacttggg cttgttgaat ttttattggg gttgtaaatt ccttgttggt 240  
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<210> 22349

<211> 271

<212> DNA

<213> Glycine max

<223> Clone ID: 700952746H1

<400> 22349

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 ggatcagaat cagagtcaga aggagaagga gaagaagaag aagggcacga agaagcgcg 180  
 gttccgaaga agaagaaga gaaaacgcag tctccatggg actttgctaa atacacggaa 240  
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<210> 22350

<211> 270

<212> DNA

<213> Glycine max

<223> Clone ID: 700952747H1

<400> 22350

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 tcttgctctt gcaggagaga gccatgtcca tgcatogeta cctgaggaag attattggga 120  
 agctgtttgg ccaaactc ccattccac tgcactgcga gagcttctaa agcctctccc 180  
 tgcacgtggt gaaatcgatg aactccctaa gcaaattgat gatacacagt acccaaaaac 240  
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<210> 22351  
<211> 269  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952749H1

<400> 22351

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atcagtgaag aatcttagat tctgtgggaa aagctttctca atctttgacg aagataaaca 120  
acaatgtctt cacttgccgc tgctagagca gacaactttt actatcccc agaatgggaa 180  
ccgaatcagg gtctgctgaa caagtttcat ggtcaacatg ccttgcgaga gagggcgaga 240  
aaattagatc aggggtatcct gattataag 269

<210> 22352  
<211> 271  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952750H1

<400> 22352

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tccatgcgat tcaagaatga cattgcctgt aatgaagttt agtgggtcaaa tttcttatag 120  
caggactttt gatgctgtag agaaagctgc aacaaagctc ttacaaattc tccaagaaaa 180  
aacgaccgac atgatgcaaa ctgcaattgg atttgacatt gagtggaaac ccaccttcag 240  
aaaaggtgtt cctccccgaa aggtagcagt g 271

<210> 22353  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952719H1

<400> 22353

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tctacgttaa ggccggtgtc tatgacgagt acatcacgtg tcccaagact gcagtcaaca 180  
 ttctcatgta cggatgatggc cctgctaaga ccatcatcac cggtcgcaag aactacgtcg 240  
 aagggtgtcaa gaccatgcaa actgccactt tggcc 275

<210> 22354  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952678H1

<400> 22354

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 gtgccctttg tactggagag aagggtcttg gctataaggg ctccaccttc catcgtgtca 180  
 tcaaggattt catgattcaa ggaggagact ttgacaaagg aaatggcact ggaggcaaaa 240  
 gtatatatg 249

<210> 22355  
 <211> 252  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952679H1

<400> 22355

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 aagcttctga ttccaggacg acaacaacaa caacaacaac aaaaagtggg tccttttatt 180  
 tttcctcaat aaaataccaa atatcttact gtatcaaata taatcacctc ctgtgattta 240  
 tacttttggg tc 252

<210> 22356  
 <211> 248  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952680H1



<210> 22359  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952686H1

<400> 22359

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 tgaagctctc acagaggctc ttcccggtga taatgttggg ttcaatgtta agaatgttgc 180  
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<210> 22360  
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 <213> Glycine max

<223> Clone ID: 700952688H1

<400> 22360

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 attcaggcaa cagaccaaac cgagatggat cttgaagtcc tcagagagcg tgcaaactga 180  
 gcacctacac aagaggggtg tgtctaggtg atgtagttaa gatatctgaa gcctcagggg 240

<210> 22361  
 <211> 241  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952690H1

<400> 22361

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 ctggccatgg tggccactac attccggagg gatcatgcca aagttggagg cttggtgtgg 180  
 aatcacacaa cgtcattgac tggaacaccg ttcctcaaga ttgcgagggg tatattgggc 240  
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<210> 22362  
 <211> 246  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952691H1

<400> 22362

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 agacaaaatg gatcaccatt tcaattcaga aacctctctc attattcttc tcctcatcac 120  
 atccctctcg tcccttgcca cgcgccacaa catcgatata ctccaccacg gactcgaatc 180  
 cgacatcaac gaattctgca ggagaaccag caaccccggc ctctgagccg agaccatgcc 240  
 ttccca 246

<210> 22363  
 <211> 239  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952692H1

<400> 22363

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 ctcttcgggt acgacgatcc aaagctctgg ttccccaagc aaatacctcc caagccggaa 180  
 tctcagactc cggcagctac cggcgccgtt gactgcgtct ccgcagtcaa gaaccaacg 239

<210> 22364  
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<223> Clone ID: 700952693H1

<400> 22364

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 caacttagaa aacatattga tgccacgttg ggtagtggaa atctgaggga agcagtaaag 180

ctacctcctg gggaggattt aaatgagtgg ctagctgtca acactgttga tttcttcaac 240  
cag 243

<210> 22365  
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<223> Clone ID: 700952694H1

<400> 22365

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cccaagctcc gtttcaaacc cgctcgtatg gctacgctcg gcgctcgcat ggtggccgcc 120  
gcacccaccg tcaactccgcc ggctcgtctc gacttcgaaa cctccgtttt caagaaggag 180  
aagattaacc tcgctggaca cgacgagtac atcgtgaaag gagggaggga tttgttcctt 240  
ctgttgca 248

<210> 22366  
<211> 101  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952695H1

<400> 22366

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actaagtagt taaatataca tggccatgcc aattgcatat c 101

<210> 22367  
<211> 245  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952696H1

<400> 22367

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agaatgtgtt gatttttgac cttggtggtg ggacatttga tgtttcttta ctaaccattg 180

aggagggtat cgttgaggtg aaagccacag ctggtgacac ccatcttgga ggtgaggatt 240

ttgat 245

<210> 22368

<211> 277

<212> DNA

<213> Glycine max

<223> Clone ID: 700952701H1

<400> 22368

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ctttcggtgc aaagcctgaa tccttttagag atgctagaat tcttgacttt cttccagtgc 120

caagtataa ccacttttat ttgcgagtag aggtaaaaga ttcaggatca ggaattaatc 180

cacaagatat cccgaagtta ttcactaagt ttgcacaaaa ccaatcatta acaagaaatc 240

ctgctggaag tggacttggc ctggcaattt gtaggag 277

<210> 22369

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700952703H1

<400> 22369

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tacaacagcc ttatctgtct aagtgaggtt tgctatatgg atcccatgat atatttgggc 120

ttgattaata accaaatatt caaggatatt attcaccatg agatccccctt ttacagtttc 180

ttccagtgtc cttcgtgggt tccctctata tcaactttaaa tgagggttaa aatcatttta 240

tctactatcc ttaggggttc taatataaat tagaattg 278

<210> 22370

<211> 278

<212> DNA

<213> Glycine max

<223> Clone ID: 700952706H1

<400> 22370

003220"ETT550





<212> DNA  
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 <223> Clone ID: 700952710H1  
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 cgccgcttct tgtaggggtt cgcacctctg gttacttttg gaaggatgtc tgcggcggtg 180  
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<210> 22374  
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 <212> DNA  
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 <223> Clone ID: 700952711H1  
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 cgaggttgtc gaggagggtc agtcccgcga cgagcaatcg ggggcggagg agagcctccg 240  
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<210> 22375  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952712H1  
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 caagaagaag cgaaacaact tctcacgcgc tgtctcaatc ttggaatctc tgctctaaat 180  
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273

<210> 22376  
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<223> Clone ID: 700952713H1

<400> 22376

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cctccacgcc cttcagatcg taaggggaaa acaagcaagc gagtgcactt tgtgaggaac 180  
ctcattcgag aggttgccgg ctttgcacct tatgaaaagc gaataactga gttgctcaag 240  
gttgaaaaag ataagagggc actgaaagtt gc 272

<210> 22377  
<211> 275  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952717H1

<400> 22377

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tggtaatggt ggacttatta tagattctga gaaccactat ggtttgagga ctatgagtga 180  
tggagatggc atttccatct ttggctctag caatatttgg attgaccatg tttccatgag 240  
aaaatgcaaa gatggattga tagatgctat tcagg 275

<210> 22378  
<211> 248  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952676H1

<400> 22378

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<210> 22384  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952646H1

<400> 22384

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 gtatcctcca cttggtaggt ttgctgttag ggacatgcgt caaactgttg ctgtgggagt 180  
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 gaagaagtga a 251

<210> 22385  
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 <212> DNA  
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<223> Clone ID: 700952647H1

<400> 22385

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 tactactcgt ttctattcca agaatttgca aaacgtgcct cttccattg ctcttgaaac 180  
 catttctgat gggtttgatg aagttgggcc ccaagaggct gggagcccca aggcctatat 240  
 agatcgcttg tgc 253

<210> 22386  
 <211> 258  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952648H1

<400> 22386

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 atatcaagat ttgaggaaaa ccaatacaa aatataggcc aggctttctt aagtgcctgg 180

actcaagcat gtgcatcacc aactgctgtc aaaattgtga ttccagctgg cacataccaa 240

atgggtgcag ttgatgtc 258

<210> 22387

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952652H1

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ttggcttgct atgagtcata catccattc ttctatgacc ctatgaagtg taaaatcttt 120

catggctgtg agagacaact ccctctgttg gaggtagca gtcaaaaccc ttggaattta 180

cattcgaaaa ctgatcaaga tgtgtaatat caacaaatca accatgctcc gccctgtag 240

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<210> 22388

<211> 102

<212> DNA

<213> Glycine max

<223> Clone ID: 700952656H1

<400> 22388

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atgctatatg caacatccaa ggacaagctc acaagggcgc tg 102

<210> 22389

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952657H1

<400> 22389

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ccttgctgctc gtcgctgtca tggcgacgct gctaagaaaa ctgtgcgaat cggcgacgat 120

gaagcgatcc ggctctcact ctcacctca ccctctcccg tcctcggaac aagcacgcc 180

atcctcccct cttggcgcct tcgacctctt ccctgccgac atcctcatgc aaatcgtccg 240  
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<210> 22390  
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<223> Clone ID: 700952659H1

<400> 22390

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ccctcatcgc cgagttcgtc gccacctctc tcttctctta cgtcaccatc ctcaccgtca 180  
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<210> 22391  
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<212> DNA  
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<223> Clone ID: 700952660H1

<400> 22391

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gcaactgggc cgtacatcgc cacctcttct acgacgacgc ttcaaaccctc cgcgaaaggt 180  
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<223> Clone ID: 700952661H1

<400> 22392





<212> DNA  
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 <223> Clone ID: 700952664H1  
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<210> 22396  
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<210> 22397  
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 <212> DNA  
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 <223> Clone ID: 700952668H1  
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 gctatgactg agatgcaagg ggttctttgc tcaacaagac ccatgaggat tggacccgcc 180  
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<210> 22406  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952593H1

<400> 22406

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 gacttgcgag tgagacaaac ctgtggaatt gtatcaccgg tgcttcgtca aaatgcttgc 180  
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<210> 22407  
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 <212> DNA  
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<223> Clone ID: 700952594H1

<400> 22407

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 aatcgggaaa ggtttctata cttcttgcaa ctgatgttgc cagccgtggt ttggatattc 180  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952595H1

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 gacgacggca aggactacca ggagccggcg cgggcgcggt tggttgacct gacggagttt 180  
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252

<210> 22409  
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<212> DNA  
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<223> Clone ID: 700952596H1

<400> 22409

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acgatgacaa gcttctgaaa ttccaacttc gcccttcac ttccgtatac ttttttattt 180  
ccggtgaggt gagttccatg cctaggtcca agagcagccg cagcggccag atcgagagtc 240  
accggcagtg aaggtcg 257

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<223> Clone ID: 700952601H1

<400> 22410

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aacgaaatat tgctgcgccg ctggaccctg cagcattctc ggatgcagtg gtccagattt 180  
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<223> Clone ID: 700952602H1

<400> 22411

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<223> Clone ID: 700952609H1

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 ttaaagacta taaggccaaa tatggcattg atgggtcagc ttttcctgaa taaaaccata 180  
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<223> Clone ID: 700952611H1

<400> 22413

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 atggcgaaat tggcggagca ggccgagcgt tacgaggaga tggttgagtt catggagaag 180  
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<210> 22414  
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<223> Clone ID: 700952614H1

<400> 22414

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cacccttct tccccgtccc cgcgacgtca cccccgcaac caaaggctcc acctttcctt 180  
ctccggcgga gacagaggcg gatgcggcgg cggcggagga agatgagatt ccgatgagga 240  
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<210> 22415

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952615H1

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cctactgttg ttagagccat ggcattgaac atgggcatgc ttgcatctta tgatcaaagt 180  
gttgagttct tcagggattc tgttggtctt ggtgaagctg ctactgttct aggtgcaagt 240  
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<210> 22416

<211> 259

<212> DNA

<213> Glycine max

<223> Clone ID: 700952616H1

<400> 22416

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tctccttctc cattactgac ggcttagtac aaacggcaac ttcgagctgg gtccgaagcc 180  
ctccgccctg aaaggaactg tgggtattgg tggcagccac tcgatcccag aatgggagat 240  
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002220 002220



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 aatccctcat cgtactgttc cgttatcaat tctcgtgttt aaggacacaa tttgcttgat 180  
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<210> 22419  
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ccacctcccg atatatgagc ctggccttga tgatgtggtg aagcagtgc gggggaagaa 180  
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 <223> Clone ID: 700952621H1  
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 gctttcaaag atcatttgaa ttgaagcaaa atggggagtc atatgagcaa gaagatccct 180  
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<210> 22421  
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 <223> Clone ID: 700952624H1  
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 caacacattc tccagcgaca aggagcctgt cttgcgtgaa ctcatcagca atgcttctga 180  
 tgctttggat aagattcgat tcgagag 207

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<223> Clone ID: 700952629H1

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 tgtaccgat ctggtcgatg attaccaagt gatcttgtag gacaacatgg gtgctggtac 180  
 cacgaaccca gactacttcg acttcgaacg ttactacacg atcgatgggt ttgtctatga 240  
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<223> Clone ID: 700952630H1

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<210> 22427  
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<223> Clone ID: 700952631H1

<400> 22427

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 gtcagcggag tcagtttggc agctgaattc gccgatatgc cagcgcttag agggaaggat 180  
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aaggacttgc gacctggg

258

<210> 22428  
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<223> Clone ID: 700952632H1

<400> 22428

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tggcaacttt taggttatgg tacagtactt attgcagggc ggtag 165

<210> 22429  
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<223> Clone ID: 700952591H1

<400> 22429

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attgacctaa aggttcccccc aagaccacct gggtatgcat ttgtagagtt tgaagatgct 180  
caagatgctg aggatgcaat tcgtggctcg gatggctatg attttgatgg gcacgggttac 240  
gggtgga 247

<210> 22430  
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<223> Clone ID: 700952545H1

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ccaggggccg tgggtgcgga aaatctgatg gtgtggccat gtggttcac aatgggtgtca 180



aaattgagag gccatttgtg tgtgctgtcg atgattgtca ggcaagttac agaagaaagg 240  
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<210> 22434  
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<212> DNA  
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<223> Clone ID: 700952556H1

<400> 22434

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actcttatta ttcatttaat gttcatatga tcatctgggt ctttcttgat tatggagtct 180  
actaccttct gtcgataatg ggaacgaatc tcagcactcc caaaactgag aagtcttctg 240  
atgatggtga a 251

<210> 22435  
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<212> DNA  
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<223> Clone ID: 700952557H1

<400> 22435

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gccacagaa tggtagaggac tggctctcaa aaagaaggat caagagtgat ttttggtggt 180  
cctaaacctg ggaagaaaag aaaatttatg gaagtaagca agcattatgt tgcatatggg 240  
acgc 244

<210> 22436  
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<212> DNA  
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<223> Clone ID: 700952558H1

<400> 22436





<210> 22440  
 <211> 262  
 <212> DNA  
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<210> 22442  
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 <223> Clone ID: 700952572H1  
  
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aaacagaggc aattgaaaat ttttcgtgca cctgtgaagt agttgatgtc aagtgtgata 120  
accgtgcttc tgaaggacta agcgggtgaca aagagacagc tggcaagtct cctgccattc 180  
gcatgtcgtc ggactatgta atagcaacag atagaccccc aatcttgggg gcttttgaaa 240

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<212> DNA  
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<223> Clone ID: 700952576H1

<400> 22446

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<210> 22447  
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<223> Clone ID: 700952577H1

<400> 22447

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<223> Clone ID: 700952578H1

<400> 22448







<210> 22457  
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<210> 22459  
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ctgaaagaga agat 254

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<223> Clone ID: 700952516H1

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<210> 22461  
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<223> Clone ID: 700952517H1

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<223> Clone ID: 700952518H1

<400> 22462





<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952521H1  
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 <212> DNA  
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<223> Clone ID: 700952529H1

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<210> 22472  
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<223> Clone ID: 700952530H1

<400> 22472

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<223> Clone ID: 700952531H1

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<223> Clone ID: 700952532H1

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<223> Clone ID: 700952533H1

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<223> Clone ID: 700952534H1

<400> 22476

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 ggtgggggtgt tagtaattac gacagaagaa gaaaaggctt ggaaacaacg acgacgacgg 180  
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 caaggtcggg agccccgggc aac 263

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 <212> DNA  
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 <223> Clone ID: 700952535H1  
 <400> 22477

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 ctttctttcc ccttttgtat ttctgggttc gatattgtta tcggttatth gtgcactgct 180  
 tccgccgggg ctattcagga atcatggcta gggttttggc tcagtctggt aatgtccctg 240  
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<210> 22478  
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 <223> Clone ID: 700952536H1  
 <400> 22478

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 caagcttgga ggcattgaca agcgtgttat tgagagattt gagaaggaag ctgctgagat 180  
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 aggaatcaca att 253

<210> 22479  
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 <212> DNA  
 <213> Glycine max







<210> 22485  
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 <212> DNA  
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<223> Clone ID: 700952513H1

<400> 22485

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ttggacacca taaaaagcac agcctctcca aaccttcacc ctctctctcc ctgcgctact  180
gcgccatgga ccagcgccat ggacccaac ctctcccaga gtcagacacc ataggaaacg   240
attctcacc  aaaaa                                     255
  
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<210> 22486  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952468H1

<400> 22486

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gaggcggttt tagcggaacg cattcagata                                     150
  
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<210> 22487  
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<223> Clone ID: 700952469H1

<400> 22487

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ccaagccgat taccctgact actacttccg cattaccaac agcgaacaca tgactgatct  180
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gacggaggag tttctg

256

<210> 22488  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952470H1

<400> 22488

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tggtggcgga gaatggtgac tacgtggcgg tgaaggagct gaaggaggtg aagaaggtgt 180  
tttgatttga gaccaagaga gtgtgggaga ttgcgatgcc catcgttttc aacatatggt 240  
gtcagttcgg tgt 253

<210> 22489  
<211> 247  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952471H1

<400> 22489

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ttgggaagct gtttggccaa aactcccat tccactgca ctgcgagagc ttctaaagcc 180  
tctccctgca ggtgttgaaa tcgacgaact ccctaagcaa attgatgata cacagtacc 240  
aaaaaca 247

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952472H1

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<400> 22493

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agcgatatca 70

<210> 22494

<211> 247

<212> DNA

<213> Glycine max

<223> Clone ID: 700952477H1

<400> 22494

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tctgtggaac atgcaagctt tttgatgatg atatatctaa gcagcagtac cattgctgtg 180  
gctgtggaat ttcagaactg gaggaagcga aaatttcttc cattgccaac aagtgtgggt 240  
gttgcta 247

<210> 22495

<211> 252

<212> DNA

<213> Glycine max

<223> Clone ID: 700952478H1

<400> 22495

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catttctttt aaatcaagct gcaagtagca gatctgtggg aaaaactcag atgaatgaac 180  
aatcttctag aagtcatttt gtattcactc ttcgaatata tgggtgtaaat gagggcattg 240  
cccaccaggt ac 252

<210> 22496

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952480H1

<400> 22496

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 aattccaact tgtaatcaat ttttctttcc atttgacaca ccataccaat caaccaacct 180  
 tgttgcttct tgtgatcact cctgaaccac actaatggat attgatgagt gggagtttct 240  
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<210> 22497

<211> 248

<212> DNA

<213> Glycine max

<223> Clone ID: 700952482H1

<400> 22497

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 acttccggaa atcgagagg aaggatcttc caggtaatct tcagttgaat ggagttacag 180  
 tttctgatgt gacctggtgg gaggatttcc aacttcccga tgtttgtgtg atccgtagag 240  
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<210> 22498

<211> 143

<212> DNA

<213> Glycine max

<223> Clone ID: 700952483H1

<400> 22498

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<210> 22499

<211> 199

<212> DNA

<213> Glycine max

<223> Clone ID: 700952484H1

<400> 22499

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tacgttccca cttgggcttt tgatcacatc aaatacttca atggagggtc tgagattcaa 180  
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<210> 22500

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952485H1

<400> 22500

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aggtcatgat cgccaatctg aggaggaatt gcaagccagt tcgtggagcc acgttgagcc 180  
agagaggggtg aagaaaaagg agaatccgat accacctcct cctcctcctc cggagaaatt 240  
gcaacaagag cctc 254

<210> 22501

<211> 254

<212> DNA

<213> Glycine max

<223> Clone ID: 700952486H1

<400> 22501

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atggcacttt cttcttcac atcttcaaca tccatatttg ctttagcttt gttcactctt 180  
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aaggttttct atgc 254



ggtgtttcac cat

253

<210> 22505  
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<212> DNA  
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<223> Clone ID: 700952493H1

<400> 22505

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atatcattaa gcttgagaa ggacttttga aggaaccaga agatgttggt gtagataaag 180  
aagggactct ctatacagct actcgagatg gttggattaa aagattgcgc aggaataatg 240  
gaaaatggga g 251

<210> 22506  
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<212> DNA  
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<223> Clone ID: 700952494H1

<400> 22506

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gacgacgatg acagaggcga agaggaaagg gatcaggtag aacaagagaa ggatgtggag 180  
aaagaggagg aaaaggagga ggaagaagaa gaaaagga 218

<210> 22507  
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<212> DNA  
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<223> Clone ID: 700952495H1

<400> 22507

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gtaaaactaa tcccagtcac aacagaaata atcaatggca ccgaaacaga ccaaggctga 180  
gaagaagatc gcttacgatg cgaagtgtgc gacctaattg aggagtacgg ccaaattctc 240  
gttgtaaact ccga 254

<210> 22508  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952501H1  
  
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gaaagctaag attcaagaca aggaagggat cccacctgac cagcagagac ttatctttgc 180  
gggtaaacag cttgaggatg gtcgaaccct tgccgactac aactccaaaa ggatcccact 240  
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<210> 22509  
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<212> DNA  
<213> Glycine max  
  
<223> Clone ID: 700952503H1  
  
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ttcgaccttg tttttttttc tgcttcggtg tttcatgga gaaagggata ggagtagtaa 180  
aagaaagtgc attcggtttg gttcttcgcc tcgggactcg aatcttcgat gccgctcggt 240  
tttg 244

<210> 22510  
<211> 254  
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cgttggttttc ggggagctgg gcagaaggaa aagaggtccc tagcgtgaag gttgcttgtc 120

tcgcccagga ggtggaaca gttgaaaaca aagtggcgaa cgggtgctga atgctggga 180

atctgccgaa cagttcgggc caaatcctga agaaagctaa aaagcgtgt ttgatgagcc 240

tgcgtagtat tagg 254

<210> 22511

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952510H1

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acccaaatgc agagtcattt attcacagca tgatatcaat cgataacttc ttcatttcac 120

aaaattcagg gtagcgttca cattttcccc cttctttctt cccttctca acaacatact 180

ctctactcgc gcggtgccgt tacgtgtctc atcgttttcg gcggttagttt ccttcttct 240

catgtaacag 250

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<212> DNA

<213> Glycine max

<223> Clone ID: 700952467H1

<400> 22512

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ggctagcctc aaggttgcatt ttttggctgc agtgctctgc atggttgtgg tgagtgaacc 120

caggga 126

<210> 22513

<211> 253

<212> DNA

<213> Glycine max

002220"ETTES

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<400> 22513

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ttgacaaagt caaggccacc cttaaagggt ccatgaaact caggtttgag ggaagtgatg 180  
atcctttgga caggatcact acagcggaag ctatcagaac tcttattgac ttctaccgca 240  
cttctcagca ctc 253

<210> 22514

<211> 258

<212> DNA

<213> Glycine max

<223> Clone ID: 700952435H1

<400> 22514

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tccgtaatat gtctgtcatt gctcatgttg atcacggaaa atcaaccctc actgattctc 180  
ttgtggctgc tgctgggtatt attgctcaag aagttgccgg tgatgtccgt atgactgata 240  
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<210> 22515

<211> 255

<212> DNA

<213> Glycine max

<223> Clone ID: 700952436H1

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aggcggcgga tgctgccatc tccggcgacg gcaaacaatga ggaaagccga tgcacgatg 180  
cgctcgagca gctcaagaag tttcccgtta attagaagat cctcgtcaac acccaggtgg 240  
gtaaacatct taaag 255

<210> 22516  
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 <223> Clone ID: 700952437H1  
  
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 acgaccggtt acacccgaaa cgacaacatc agtagtttca caaccaaagc cgaggaaaat 240  
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 agacgacggc aaggactacc aggagccggc gccggcgcca ctggttgacc cgacggagt 180  
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 atacatcact gtcttaac 258

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<210> 22520  
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 <212> DNA  
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 ttccggatgc cgacaagcta gagagactga aattggctga gattaagcat gctaggattg 180  
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<210> 22521  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952442H1  
  
 <400> 22521  
  
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 atgataactc atcggcccct gctaaccaag gatcttttga aggagattct gggaatccct 180  
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tcgt 244

<210> 22522  
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<212> DNA  
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<223> Clone ID: 700952443H1

<400> 22522

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tcgccctggc ctcaaattgg atgtcatggt tgatctgttc ttctatagag aaccagagga 180  
ggctaaacaa acaagaggag gaggaagctc cggcgggtga ttatgccatc acggatttca 240  
atgca 245

<210> 22523  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952444H1

<400> 22523

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atttttctc cctccacaat tttttttcta cgatcccta tttctctctc ttcttgact 180  
tgatttttca attccaatca aacaaacgca attgccattg ttccaatga tctctcagac 240  
catagtggct ttggctc 257

<210> 22524  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952445H1

<400> 22524

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 cgcgcattct tcccttcccc ttgtttctc tcttactcct ttgagtggcc gtccaatttc 180  
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<210> 22525  
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 <212> DNA  
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<223> Clone ID: 700952446H1

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<210> 22526  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952447H1

<400> 22526

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 gtctaaggac cgtcacagca agtggacggc cagg 214

<210> 22527  
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 <213> Glycine max

<223> Clone ID: 700952449H1

<400> 22527

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 aaaacatcca atccagaacc acaataactt tcaaaacttt ttcttctgt gttgccttca 180  
 acgttagttc taattcattt acaacaccaa gaatacatca tttgattgat tcaaacattg 240  
 tcctggag 248

<210> 22528  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952452H1  
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 gacgacggca aggactacca ggagccggcg cccgcgcccc ctggttgacc cgacggagtt 180  
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<210> 22529  
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 <213> Glycine max  
 <223> Clone ID: 700952453H1  
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 ttctcgtgaa agggagttag taaagttttg tactgttgtc tgatgattag ttaagtggct 180  
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 agcataataa gtt 253

<210> 22530  
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9421.

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 aaaatcttac cgaagctctt ttgccaacac gagatgcaca acaacaacat caaacagacg 180  
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 agtcttatat tttattttat ctccaaggga acctgctagt agtctcattt ccattgaata 180

002200-ETTES

tgaattccta ccaatttttt tcttatecctt ttctctgtgg tttttcccta tgaaaaaagt 240  
gattactaaa ctattc 256

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<223> Clone ID: 700952461H1

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<223> Clone ID: 700952462H1

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ccctttggac tgggtttatg ggatcaagct ttctttcagt gtgcctgata ctggatgtca 180  
aagttgcaaa gaatctggtg ggacatgtgg ctttgatact gatacggaag gtttgctttg 240  
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<223> Clone ID: 700952463H1

<400> 22538

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gacgaaagtt tattaagaagg aaagacagtg atgctgccga tccaggtaaa ccctggagg 180

accccagagc tcctctctac aatgacatcc gaacatcaga aggagccaag cgccaacagc 240  
aaagatattg tgg 253

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<223> Clone ID: 700952465H1

<400> 22539

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gaacaagatc ttgaaggtca tccgtaagaa cttgggtcaag aagtgccttg agctcttctt 180  
tgaaattgca gagaacaagg aggattacaa caagttctat gaggctttct ctaagaactt 240  
aaagcttggt atccatgag 259

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<212> DNA  
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<223> Clone ID: 700952434H1

<400> 22540

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ttggcgagtt atgatgatga agaggagtca tcttcattga aacctactgc tgaggtttct 180  
acatcaaacc caaaatcgaa gaagaagaaa aagaagaaga acaaggatag tgctgttgcg 240  
aataaaacgg gagaagat 258

<210> 22541  
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<212> DNA  
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<223> Clone ID: 700952402H1

<400> 22541

002260-677550

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 aaacctcatc attctcagcc tatctcaatc actaactggg ttagactctg acaattcaga 180  
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<223> Clone ID: 700952404H1

<400> 22542

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 agaaacttgc aaaacgttac ttcaacttca agctggagaa tcgccaccat gccattacac 180  
 atcctcaacc agaggagtta tcattctcac ttcttgctgt taaatcctat gtgtccaaat 240  
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<223> Clone ID: 700952405H1

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 agcctccagc ggttatgcaa aaccctagtg attcggaccc tttgctccat aaccaggagg 180  
 aggaggagga ggatgagtca ccgggaagct ctggtgagat caagaatgag gaagaagacg 240  
 ttgaggctgg attact 256

<210> 22544  
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<212> DNA  
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<223> Clone ID: 700952407H1

<400> 22544

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tacctttttg gtcattccac acaacatac 89

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<223> Clone ID: 700952409H1

<400> 22545

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aacactgtca tagtaatttt gggcataga actgtgtatc agaggcagca aatcagaaga 180

gtttatgagg aaatttacca ggaggatctt gtgaagcgcc tagagtctga gatcaaagga 240

gactttgaga aagccgtgta 260

<210> 22546  
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<223> Clone ID: 700952410H1

<400> 22546

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gttgaagttc caaatattta gatacactac atatagtata tgctataatt tctcaattta 180

agtgttagta tatgactcca aaaaaaagac tagtatacta aggtattaat atagtatgct 240

actggtggag gagggggg 258

<210> 22547  
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<210> 22550  
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 agtctgatta tccaaagctg aacaagttag tgcattgattt attgaatatt gatcctgcaa 180  
 ggcttgaggt ttttatagct ttgctgtttg tgggaaaggg aagatgagaa aaaagcttac 240  
 aatatgtgag cagag 255

<210> 22551  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952416H1  
  
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 tttccttttt ctccctaaat tcttttcaaa atttcttttt gctttgcttg cccaaattcc 180  
 tcttgccaga tcccaacttc acagcaaacc gtgaatctga tcaagacca ccttccaaaa 240  
 atgcaacttg ggaaatgggt t 261

<210> 22552  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952417H1  
  
 <400> 22552  
  
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<210> 22553  
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<212> DNA  
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<223> Clone ID: 700952418H1

<400> 22553

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acatgggaga cagtgaagat actcaagcct agtg 154

<210> 22554  
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<223> Clone ID: 700952419H1

<400> 22554

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agctccacta aatatttatg gatacccggt acggctgggt gaaaaagagt gctcctacta 180  
tttgaaaacg gggcagtgc aatttggtat atcttgtaaa ttccatcatc ctcaacctgc 240  
tgg 243

<210> 22555  
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<223> Clone ID: 700952420H1

<400> 22555

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aatgggggttg tcttttctaaa caaccccatc acatcattaa gaggggggga tcgaccttg 120  
atttgtgaat ttgcttgcat tagcaagatc atat 154

<210> 22556  
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<223> Clone ID: 700952422H1

<400> 22556

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tggtgggtttt ggccgggtct ttcataagatc tggtgcgtag aggctcagat ctacgggtacc 180  
gaggtacaac agagaatcga tgacaagaac gcagatccga cggtagatcc agccgattcc 240  
gcttggttcga tcgctacag 259

<210> 22557  
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<212> DNA  
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<223> Clone ID: 700952423H1

<400> 22557

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tcctttgttg gcagaggtcc aactaactca gctgcactac aagtaatctc aaacaatata 180  
tccgaggcca tgccttatga aggaaggccg ttagaacgaa ccaaaggaga cggtaaacag 240  
cgtgtcactg aagaaggc 258

<210> 22558  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952424H1

<400> 22558

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ctgtttttga caactttata gatcgccac gtaagcatcg gagctccgag agaattatcc 180  
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 ggtgcacgga ggaggagat 259

<210> 22559  
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 <212> DNA  
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 <223> Clone ID: 700952425H1  
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 cttgtcagat aatccttctt ggtagagaa aatacagaga actgtgcgga atatttttca 180  
 ggctgttaat ttattccagg ctccagtga ccagtcagat gctgctcgtg ttcgcaagga 240  
 atatgatgaa tcaagtgc 258

<210> 22560  
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 <223> Clone ID: 700952426H1  
 <400> 22560

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 ttctctcaaa ttctccctc atctctcaag accaagcccc tcatggcgcg cgctccattt 180  
 ccactcaagt tgtgaggaac cgaatgaaga gtgtgaggaa tatccagaag atcaccaagg 240  
 ccatgaagat gggtgccgcg t 261

<210> 22561  
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<400> 22561

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 tcgacgacga cgacgaaact ccagaggatg aagaggagga ggaggacgac gacgtcttag 180  
 atgacgatga aaccgaaccc cctccctccg tcacgcgcgt cgcgccgccc gcttcccaaa 240  
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<210> 22562

<211> 257

<212> DNA

<213> Glycine max

<223> Clone ID: 700952429H1

<400> 22562

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 catgaataac caatttcttc tcctaactgt tgaaaaaac ctgcctccaa tatttataat 180  
 ttgtaagggtt attagttgct tctattctaa ccttttacca ttttggtggc ctaacaaaca 240  
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<210> 22563

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952430H1

<400> 22563

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 ccgccctatc ggaatccgtc atcgccgctg ccgcctccgc cgctggcaaa accatcctcc 180  
 acctcgaccc caactccttc tacggaagca atcggttctc tctccctcca gaacttact 240  
 tcctacctct t 251



accacgtgct ctcagagcgg ttctctcgca gaacgctgtc aaaactcggg ggaggacaca 240  
aagaacgctc attttcagca ctgtttcac 269

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952360H1

<400> 22567

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aatgtccaag atgttgggag tgtttgtggg acttttgttg gtggggttgg ctgcctctgc 180  
caagtttgat gaactcttcc agcccagttg ggctatggac catttcatcc atgaaggaga 240  
actcctcaaa ctcaaacttg ataa 264

<210> 22568  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952361H1

<400> 22568

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attactactc taaaagctgc caaaagctg aagagatcat caaggaacaa gtcacacaac 180  
tatataacaa gcatggaaac actgccgttt cgtgggtcag aaatcccttc acgatgcgtg 240  
ggtagtcat gcga 254

<210> 22569  
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<212> DNA  
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<223> Clone ID: 700952363H1

<400> 22569

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 ctccccacg gaatctcttg gccgctcctc aacaacctcc acagcgccgt cgacttgctc 180  
 ccttctcttg tcgcccgcgt ccttcccgat aacgattccg ttcagtggag agccgcatgc 240  
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<210> 22570  
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 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952365H1

<400> 22570

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 ccgtcgaagt tgacgttatt ctcagcgatg gaagcttcca cagagccgcc gtgcctagcg 180  
 gtgcttcaac aggtgtttat gaggctttgg aattaaggga tggaggctca gactacctcg 240  
 ggaaaggtgt tctc 254

<210> 22571  
 <211> 271  
 <212> DNA  
 <213> Glycine max

<223> Clone ID: 700952366H1

<400> 22571

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 attacgtgct ttctctaact actgttttcc acacttaacg aaccacaaca cagtgagaaa 180  
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 atcgtgctgc tcgtgctttt cgcgggcctc a 271

<210> 22572  
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<212> DNA  
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 <223> Clone ID: 700952368H1  
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 atgccctcca ggatgccaaa tttcacgtgg tgtcaagcat gtacatcatc cccaacaaca 180  
 ggtgcaccat atacctaaca tgggtgatgc ctcttacaac acaagggaaa tgcacacaac 240  
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<210> 22573  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952369H1  
 <400> 22573  
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 cctccataat tcaaagagc ttgcacaatg gtgggtgggg tgctattcta gctaacttgt 180  
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<210> 22574  
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 <212> DNA  
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 <223> Clone ID: 700952370H1  
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 gggtcagcat gaggaagacc gtcaccaagc aggcctcctc cggaagccca tggtagggcc 180  
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270

<210> 22575  
<211> 267  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952374H1

<400> 22575

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gtcaaggcca agatccagga caaggaagga attcccccg atcagcaacg tctcatcttc 180  
gccggaaaagc agctcgagga cgcccggtacc ctcccgact acaacatcca gaaggagtca 240  
acccttcacc ttgtccttcg tctccgt 267

<210> 22576  
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<212> DNA  
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<223> Clone ID: 700952375H1

<400> 22576

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taactcccat ttcttattta ttattgaatt aaccgatcaa cttgctttgt tatcgaacat 180  
ttctttttga tttcaaaaat tttccgaaa aaatttgaat ctatttttat atgcgaatca 240  
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<210> 22577  
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<223> Clone ID: 700952376H1

<400> 22577

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ccgatgctgc agattgcttg gatggttgca ctactgcctg tgttcaaagc gactcgaggc 120  
 ttcaagcacg gtgtgatcgc aagtgcagca ttagatgcgg tccagattcc acaatcaagg 180  
 aggacatggg ttgagtatgt aaagtcacag cgcaagcaag cagtgtctgc ttgaccaaca 240  
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<210> 22578  
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 <223> Clone ID: 700952377H1  
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**06931**

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 tctctggagt tggcaacaat gggcttcctt ttggaggagt gggttctggg tttgatggta 240  
 atatgggtgg gccttctggg ctcggtggat tt 272



cactttctac agaccaatt tacgagacca atcggtgacc atcgattttc ctgcgattt 240  
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<223> Clone ID: 700952261H1

<400> 22644

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 cactaagcgt ttcccacagg gccttcctcc tgagtgcaca atcgcatgaa aacaaaacta 180  
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gcgtggtggc caccactga acacatttgc actcacacat agaagcagag agaggccatt 180  
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<223> Clone ID: 700952287H1

<400> 22662

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gcgaaatcga gttctaaccg tagatcgtgc ttttgcgtct gagaagc 167

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<212> DNA  
<213> Glycine max



<223> Clone ID: 700952289H1

<400> 22663

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gatcgagatg atgatgattt tgatgatgga tatgagatgt atcatgttca aggaacactt 180  
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<213> Glycine max

<223> Clone ID: 700952290H1

<400> 22664

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taacatttct tagacttaga ctcaataatt gctcatcact tggcagattc accaatacca 180  
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<210> 22665

<211> 238

<212> DNA

<213> Glycine max

<223> Clone ID: 700952291H1

<400> 22665

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accaaagaa aaatattggg ttgttttttc ttgtggtggt ggctactttt gtggtggcag 180  
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<210> 22666

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700952256H1

<400> 22666

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acagagccga tacctttcag aggaaaggct cctaccctcc ccctaagggc gccagccttg 180  
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<210> 22667

<211> 250

<212> DNA

<213> Glycine max

<223> Clone ID: 700952225H1

<400> 22667

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gggccaagat ccgggagatt ttcatgccgg cactgagctc caccatgacc gagggcaaaa 180  
tcgtctcttg gaccaaattcc gaaggcgaca agctctccaa gggcgacagc gtcgtcgtcg 240  
tcgagtccga 250

<210> 22668

<211> 251

<212> DNA

<213> Glycine max

<223> Clone ID: 700952226H1

<400> 22668

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gcagcaacaa ctcaagtttc agggaaatgaa gagctgccaa agacaaacct acatgggcat 180  
gatgaagaag cagaattcgg attttttcat cataaaccaa tattcaagaa acatattcca 240  
attccagtat a 251

002223-032200

<210> 22669  
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 <223> Clone ID: 700952227H1  
  
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 agatatcagc agtccttgcc agcctccaat tcaatgttat cgcagctgaa gtttggactc 180  
 ataacaggag aattgcttgt gtcctttatg tcaatgatgc taaaaaccaa gccatggatg 240  
 actcaaaaag 250

<210> 22670  
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 <212> DNA  
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 gaagagtgtc ccacatcgag acttctataa tgttagaaaa gttgatactc atgtccacca 180  
 ctcagcatgc atgaatcaga aacatctttt aaggttcata aagtcaaagc tgagaaaaga 240  
 gcctgatgag gttgta 256

<210> 22671  
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 <212> DNA  
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 <223> Clone ID: 700952229H1  
  
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gattagcaat gcattttatc ttccgggaag ctacatgcat acttactcaa atggagatcc 240  
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<210> 22672  
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<223> Clone ID: 700952231H1

<400> 22672

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ggaaaatcct gcttgcttct cagattcgct gatgactcct atgtcgacag ctacataagt 180  
accattggag ttgatttcaa aatcagaacg gtggagctgg aagggaaaac cgtcaagctg 240  
cagatttggg a 251

<210> 22673  
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<213> Glycine max

<223> Clone ID: 700952232H1

<400> 22673

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cgtaaacggc tccgtcacgc cgcttgctct tctcgccgac ggccgtctat ggtgggtctga 180  
gggaatccaa cgggtgtttgt cgatcgaaaa ggacgtcctc gggatcgttg ccagtggggc 240  
ctacataaaa a 251

<210> 22674  
<211> 246  
<212> DNA  
<213> Glycine max

<223> Clone ID: 700952233H1

<400> 22674

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<212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952237H1  
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<210> 22678  
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 <223> Clone ID: 700952238H1  
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 aactgggcca aaggtcacta caccgaaggc gctgagctca ttgactccgt tctcgacgtc 180  
 gttcgcaaag aagccgagaa ttgcgactgc ttgcaagggt ttcaagtgtg ccattctctt 240  
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<210> 22679  
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 <212> DNA  
 <213> Glycine max  
 <223> Clone ID: 700952239H1  
 <400> 22679

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 tcctaagca atcacttagt ggaaaaggaa gtgatcgagc gatgacaacc aggaggtggg 180  
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<210> 22680  
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<212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952240H1  
  
 <400> 22680  
  
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 ggcttctact ctgtttatct cgtggctgac tatgtcgaag tcattagcaa gaataatgat 180  
 gataaacagt atgtatggga atcaaaagct gatggagcat ttgcaatttc agaagataca 240  
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<210> 22681  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952242H1  
  
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 agtagtagct gcattccatt tttctcccct tggaagcacg aggtgaaaca gatggcattg 180  
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 gtgctc 246

<210> 22682  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952243H1  
  
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 tcgattggaa aattggtagt agtagtttag cgttgaagaa cgatgtctgc tgctgtgtgc 180  
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cgttgttc

248

<210> 22683  
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<223> Clone ID: 700952244H1

<400> 22683

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gtcgactctg ggaagtcaac taccactggg catttgatct acaatcttgg cggattga 179

<210> 22684  
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<213> Glycine max

<223> Clone ID: 700952245H1

<400> 22684

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acgtgccttg agcattcaat aattaccacc aactcgccaa agtcacttaa ttataaacgc 180  
ggaacgattt caccaggaga agcagaacca tcgctcaagc tcacactcac agtaaaatc 239

<210> 22685  
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<212> DNA  
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<223> Clone ID: 700952246H1

<400> 22685

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ccgattttga tcacttttcc ggtatgaatc gtttgcgaca ccccatgtgt tgatttagaa 180  
atgctagatc tattcgtcgc atcacaggtt cgatccaaaa cctggttcca caagagg 237



<210> 22686  
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 <213> Glycine max  
  
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<210> 22687  
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 <213> Glycine max  
  
 <223> Clone ID: 700952248H1  
  
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 gaaggtcaga atgctctctg caaccaagga acatgaatat cacaagacta cagggagggtg 180  
 tgaatgtcag cagtagtgac aatcccaaac ctaaaagttt aggtccagac agttcaaagt 240  
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<210> 22688  
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ccagttatct gtagtttggg gcatgggtaa tcatctcaag gctgttaagg atagttcgga 180  
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<210> 22689  
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<223> Clone ID: 700952252H1

<400> 22689

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tctagtgcgc actggcacca agtctaacaa gaggcataaa tatatggatg atatgctgaa 180  
cctatgaact atgtctacta aattatgagt ttttcaatct ctaaattctc tctaaaag 238

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<223> Clone ID: 700952253H1

<400> 22690

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gcaccacgcc gtttcaactc ttctctgcc aagtgtccc tcgaccacat ccccaaacag 180  
ttcagaaagg agaatctcaa agatggattg atggaaaact acaagaatgc acctcaatct 240

<210> 22691  
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<223> Clone ID: 700952254H1

<400> 22691

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tcagcattag caaaatctga taacccccca gtcctagaca cacaaggcaa ccctcttgag 180  
cctggcaaag attactacat caaacctgcc ataaccgacg ttggaggccg cgtcactt 238

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<223> Clone ID: 700952224H1

<400> 22692

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<223> Clone ID: 700952178H1

<400> 22693

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952179H1

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<223> Clone ID: 700952182H1

<400> 22695

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<210> 22696  
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<223> Clone ID: 700952184H1

<400> 22696

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<223> Clone ID: 700952185H1

<400> 22697

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ctccctcatg cctccgcaac ccgaatcccc accgcccac catcaccact cccccgacgc 180

ctctccaccg gaatcctccc cgtcgcccgc gcctccgtcg atcctctacc tctccttcaa 240

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<210> 22698

<211> 244

<212> DNA

<213> Glycine max

<223> Clone ID: 700952187H1

<400> 22698

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gtgaactgcc cgttctactt caagatcggc gcgtgcaggc acggcgaccg gtgctcgcgt 180

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gaca 244

<210> 22699

<211> 131

<212> DNA

<213> Glycine max

<223> Clone ID: 700952188H1

<400> 22699

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aaatttttgt t 131

<210> 22700

<211> 242

<212> DNA

<213> Glycine max

<223> Clone ID: 700952189H1

<400> 22700

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caacagagtt gagtccgtgt cttccagcaa tcacttccgg tgctaaacct tccaatgctt 180  
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<210> 22701

<211> 239

<212> DNA

<213> Glycine max

<223> Clone ID: 700952190H1

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gtctcattct actacaagtc agatgaggaa cttcaaaaag accccgagct ccaagcttgg 180  
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<210> 22702

<211> 237

<212> DNA

<213> Glycine max

<223> Clone ID: 700952192H1

<400> 22702

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<210> 22703

<211> 240

<212> DNA  
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 <223> Clone ID: 700952195H1  
  
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<210> 22704  
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 <213> Glycine max  
  
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 <223> Clone ID: 700952203H1  
  
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<210> 22706  
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 <212> DNA  
 <213> Glycine max  
  
 <223> Clone ID: 700952205H1  
  
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 gattcatttg caaaggggga tcaaatgaaa gcagaaaaac tgttagaaca ggggcaattt 180



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<223> Clone ID: 700952208H1

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<213> Glycine max

<223> Clone ID: 700952209H1

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aacagaaaac taaccaaact tgatgattca gctaatttca ttgcactgg ttttaagtccc 180  
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<212> DNA  
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<223> Clone ID: 700952213H1

<400> 22711

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cgtgccagga ttcggttgat taatcaggac aagaacaaat ataacactcc gaaataccga 180  
tttgttggtc gctttagcaa caaggacatt gttgcacaaa taatatctgc tagcattgct 240  
ggcgatattg ttcttgctgc 260

<210> 22712  
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<223> Clone ID: 700952214H1

<400> 22712

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atgtctatgc taagttctct ctcaattaca accctgatga gactctctct acaagaatca 180  
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<223> Clone ID: 700952217H1

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<210> 22714  
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<212> DNA  
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<223> Clone ID: 700952218H1

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 gcttccagag cgtgggcctg gtgatcgggc tgacgggcat cgtgggcaac agcctcgccg 180  
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<223> Clone ID: 700952219H1

<400> 22715

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 ttatttgata tttgaagctt tgggttttta atagatatat ctagtttaat gaatggattt 180  
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<210> 22716  
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<223> Clone ID: 700952220H1

<400> 22716

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 actcaagatt cagcccttgt tttgttcca tgcattgagat ctgtgaaagc atttgacatg 180  
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246

<210> 22717  
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<223> Clone ID: 700952221H1

<400> 22717

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ctcattctcg tgggttgac gtgtacacgc tccccgatct ggattacgac tatggcgctc 180  
tggagccagc catcagcggc gaaatcatgc agctgcacca ccagaagcac caccagactt 240  
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<210> 22718  
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<212> DNA  
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<223> Clone ID: 700952222H1

<400> 22718

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catcggcggg tgtagcacct gtttctggag taagagatgt gaatgcaaat tcggttgctg 180  
ttgaaagggt gcctgatgag atgaatggca tgaaaattag ggatgaaagg gaaatggaag 240  
ca 242

<210> 22719  
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<223> Clone ID: 700952177H1

<400> 22719

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atcttcaccg tcatattcct cctccttgca atattattca ctctcacacc ccacaaggcc 180  
aacggtgccca cgtgtcaccc tgaggaagaa gcgggcctgt tgggcttcaa atccggtatc 240  
cg 242

<210> 22720  
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<223> Clone ID: 700952142H1

<400> 22720

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<223> Clone ID: 700952143H1

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gatggagatg tgtgccgcaa tatgacgctg cctatttatg taatagtacc gcgccttttg 180  
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 cgtgtgattc tcaaaattga agagatggag caggacattg taagtgaagc tagtattgaa 180  
 gccaaaggcac aacttgaggc tgaaaaagcc atgcttacag aagcgctttc ggagtctgaa 240  
 ttcgtta 247

<210> 22723  
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<223> Clone ID: 700952145H1

<400> 22723

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<210> 22724  
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<223> Clone ID: 700952146H1

<400> 22724

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 ggctcctgga gactccacca aagactatgt tcttgaagag aagaacaaga aaattttgga 180  
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 cctgtc 246

<210> 22725  
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<212> DNA  
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 actttctgca atgaagtttg ggaagaagtg gtgccaccaa ctgcagtcca tatgtgattt 180  
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258

<210> 22728

<211> 257

<212> DNA

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<223> Clone ID: 700952150H1

<400> 22728

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taaaaaagaa ctaataacca acgcatcgct tcggattatc tagatctaaa gaactagtca 180

aaacaaaaaa aaatataaaa aaagatatat tatagcaact gaactattgt gaagcataaa 240

agaacaaaaa tcttatt 257

<210> 22729

<211> 256

<212> DNA

<213> Glycine max

<223> Clone ID: 700952151H1

<400> 22729

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agcaccccaa gatctaccga atgaagctct gggccaccaa cgaggttcgc gccaaagtcca 180

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<212> DNA

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002220" E F F E 560



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 aatctatctt caagtgagca ctattagtca ggctcttata tttgtaactc gatctcgagg 240  
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<210> 22733  
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<223> Clone ID: 700952157H1

<400> 22733

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aatcggaaga gcttctcttc gacgaccaag agttacggca tcgagggagg acgagcctcc 180  
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<211> 147

<212> DNA

<213> Glycine max

<223> Clone ID: 700952158H1

<400> 22734

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<210> 22735

<211> 245

<212> DNA

<213> Glycine max

<223> Clone ID: 700952159H1

<400> 22735

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<212> DNA  
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 <213> Glycine max  
  
 <223> Clone ID: 700952163H1  
  
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249

<210> 22739  
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<212> DNA  
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<223> Clone ID: 700952164H1

<400> 22739

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cattgggt 248

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952165H1

<400> 22740

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ggggacactg ttgaga 256

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952167H1

<400> 22741

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952176H1

<400> 22745

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<210> 22746  
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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952141H1

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acgaggagtt 250

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<212> DNA  
<213> Glycine max

<223> Clone ID: 700952110H1

<400> 22747

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002220-ETFE560

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<212> DNA  
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<223> Clone ID: 700952111H1  
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tgagaccac 249

<210> 22749  
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<223> Clone ID: 700952112H1  
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cttcttgagg 250

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